

The LMDS Competitive Edge

The demand for LMDS equipment and services continues to grow. As a service to our readers, Broadband Solutions presents, The LMDS

Competitive Edge. This special section serves as your window into the LMDS community, with results from the latest FCC license auctions and profiles of companies active in the technology. In the following pages, you'll find the information you need to understand where the LMDS industry is, where it's going and how fast it's getting there!

ABS LMDS Venture

116 North Main Avenue
Hartford, SD 57033
P (605) 528-3211;
F (605) 528-3377
Contact: William G. Haugen
Net Bid: \$899,800

Ace Link Telecommunication, Inc.

207 E. Cedar Street
Houston, MN
P (507)896-3111;
F (507)896-2149
E-mail: dfreeman@means.net
Contact: David F. Freeman
Net Bid: \$651,950

Actel Corporation

P.O. Box 4065
100 Century Park Drive
Monroe, LA 71203
P (318) 388-9500;
F (903) 792-3499
E-mail: susanwsmit@aol.com
Contact: Susan Smith
Net Bid: \$11,338,690

Adams Telcom, Inc.

301 Route 94
Golden, IL 62339
P (217)696-4411;
F (217)696-4811
Contact: Walter M. Rowland
Net Bid: \$244,200

Advantage Cellular Systems, Inc.

P.O. Box 247
Alexandria, TN 37012-0247
P (615) 529-2151;
F (615) 529-2194
Contact: H. Wayne Gassaway
Net Bid: \$208,237

AirCom Consultants, Inc.

(dba AirCom, Inc.)
10500 North 52nd Street
Paradise Valley, AZ 85253
P (602) 922-9216;
F (602) 922-0916
Contact: Rhonda G. McKenzie
Net Bid: \$1,759,120

Airlinx, G.P.

1010 W. Broadway
Steeleville, IL 62288
P (618)774-1000;
F (618)774-1025
E-mail: kjacobs@egyptian.net
Contact: Kevin Jacobsen
Net Bid: \$359,150

AKS LMDS Venture

215 South Iliff
Medicine Lodge, KS 67104
P (316) 239-4143;
F (316) 239-9960
Contact: Ramon N. Parker
Net Bid: \$312,950

Alenco Communications, Inc.

P.O. Box 1106
625 North Broadway
Joshua, TX 76058
P (817) 447-0127;
F (817) 447-0169
Contact: Richard L. Allen
Net Bid: \$255,200

Alpine Communications, L.C.

11260 Aurora Avenue, Building 6
Des Moines, IA 50322
P (515) 251-2659;
F (515) 251-8243
Contact: Mickey A. Herke
Net Bid: \$340,281

Alta Wireless, Inc.

90 Inverness Circle East
Englewood, CO 80112
P (303) 649-4949;
F (303) 649-4909
Contact: Phanie Sundheim
Net High Bid: \$15,152,500

America Pacific, Inc.

(dba Vernal Communications)
77 Longstreet Road
Holmdel, NJ 07733
P (732) 834-0562;
F (732) 834-0589
E-mail: cheetsai@usa.net
Contact: Chee Tsai
Net Bid: \$12,925

American Telecasting Development, Inc.

5575 Tech Center Drive
Colorado Springs, CO 80919
P (719) 260-5154;
F (719) 260-5159
E-mail: bhostetler@amtele.com
Contact: Robert D. Hostetler
Net Bid: \$314,250

American Wireless, Inc.

P.O. Box 2500
845 East Skyline Drive
St. George, UT 84770
P (435) 674-0320;
F (435) 634-0349
E-mail: skyviewm@redrock.net
Contact: Mical J. Terry
Net Bid: \$64,900

Antilles Wireless Cable TV Co.

26573 Basswood Avenue
Rancho Palos Verd, CA 90274
P (310) 373-6234;
F (310) 373-6234
Contact: Joseph W. Hubbard
Net Bid: \$64,350

ARNet, Inc.

3505 Olsen Boulevard
Suite 103
Amarillo, TX 79109
P (806) 355-3539;
F (806) 355-2705
E-mail: dHUDSON@arn.net
Contact: Daniel Hudson
Net Bid: \$11,566,684

Baker Creek Communications, L.P.

Main at Water Street
Coudersport, PA 16915
P (814) 274-6397;
F (814) 274-8242
E-mail: bakercrk@clarityconnect.com
Contact: John C. Rigas
Net Bid: \$25,631,379

BCK/Rivgam L.L.C.

941 Danbury Road
Wilton, CT 06897
P (203) 544-8855;
F (203) 544-9922
Contact: Marie Balitsos
Net Bid: \$6,090,150

Blackwater Holdings, L.L.C.

4040 Civic Center Drive
Suite 530
San Rafael, CA 94903
P (415) 479-4800;
F (415) 446-2200
E-mail: tmcgaw@dougtel.com
Contact: Tim McGaw
Net Bid: \$3,114,249

Bluegrass Telecom, L.L.C.

1019 Nineteenth Street, NW
Suite 500
Washington, DC 20036
P (202) 530-9800;
F (202) 530-9805
E-mail: cbennet@bennetlaw.com
Contact: Caressa D. Bennet
Net Bid: \$509,000

BTA Associates

P.O. Box 2150
c/o Holy Cross Elec. Assn. Inc.
Glenwood Springs, CO 81602
P (970) 945-5491;
F (970) 945-4081
Contact: Kent Benham
Net Bid: \$16,996,500

Cable & Communications Corporation

P.O. Box 280
106 2nd Avenue
Circle, MT 59215
P (406) 485-3301;
F (406) 485-2924
Contact: Gerry Anderson
Net Bid: \$292,500

Catfish Communications L.L.C.

c/o Bennet & Bennet, PLLC
1019 Nineteenth Street
Washington, DC 20036
P (202) 530-9800;
F (202) 530-9805
Contact: George T. Grubb
Net Bid: \$110,012

Cellular Holding Inc.

125 South Congress
Suite 1100
Jackson, MS 39201-3303
P (601) 355-1522;
F (601) 353-0950
E-mail: lrymor@telapex.com
Contact: Larry Morrison
Net Bid: \$3,540,429

**Cellular Mobile Systems
of St. Cloud G.P., L.L.P**

P.O. Box 687
126 Division Street
Waite Park, MN 56387
P (320) 250-8255;
F (320) 250-7678
Contact: William O. Casto
Net Bid: \$85,150

Central Oklahoma Telephone Company

P.O. Box 789
Davenport, OK 74026
P (918) 377-2241;
F (918) 377-2506
Contact: Steven Guest
Net Bid: \$119,350

**Central Texas Telephone
Investments, Inc.**

Delbert Wilson
1012 Reilly Street
Goldthwaite, TX 76844
P (915) 648-2237;
F (915) 938-5691
Contact: Delbert Wilson
Net Bid: \$442,650

CRH Consortium

P.O. Box 1990
401 Spring Lane
Suite 300
Waynesboro, VA 22980
P (540) 946-3505;
F (540) 946-3595
E-mail: catlett@cfw.com
Contact: Warren C. Catlett
Net High Bid: \$651,811

Charles J. Brinkman

(Individual)
2220 Cherry Leaf Lane
Silver Spring, MD 20906
P (301) 598-2927;
F (301) 598-4608
E-mail: chuckmel@aol.com
Contact: Charles J. Brinkman
Net High Bid: \$51,700

Chickasaw People's PCS

5 North McCormick
Oklahoma City, OK 73127
P (405) 946-1200;
F (405) 946-4200
E-mail: triley@brightok.net
Contact: Tom Riley
Net High Bid: \$363,996

Cloudnine Communications, Inc.

80 South 200 East
Roosevelt, UT 84066
P (202)857-3500;
F (202)842-4485
Contact: Jennifer M. McCord
Net Bid: \$4,148,100

Comcell, Inc.

Highway 25
Windthorst, TX 76389
P (940) 423-6201;
F (940) 423-2111
Contact: Tim Humpert
Net High Bid: \$247,500

Command Connect, L.L.C.

1 Lakeshore Drive
Suite 1900
Lake Charles, LA 70629
P (318) 497-3445;
F (318) 439-0769
E-mail: kris@maas.net
Contact: Kris A. Hickingbottom
Net High Bid: \$3,143,667

Consolidated Telephone Cooperative

507 South Main
Dickinson, ND 58601
P (701) 225-6061;
F (701) 573-4081
Contact: L. Dan Wilhelmson
Net High Bid: \$38,500

Cortelyou Communications Corp.

110 East 59th Street
26th Floor
New York, NY 10022
P (212) 906-8487
Contact: Jeff Wyman
Net High Bid: \$25,241,133

CoServ, L.L.C.

1165 South Stemmons
Suite 132
Lewisville, TX 75067
P (972) 434-7450;
F (972) 434-0705
Contact: Mark Guest
Net High Bid: \$10,293,750

Craw-Kan Telephone Cooperative, Inc.

P.O. Box 100
200 North Ozark
Girard, KS 66743
P (316) 724-8235;
F (316) 724-4099
Contact: Jerry R. James
Net High Bid: \$347,600

CRH Consortium

401 Spring Ln, Suite 300
Waynesboro, VA 22980
P (540)946-3516;
F (540)932-2210
E-mail: garberst@cfw.com
Contact: Stephen L. Garber
Net Bid: \$744,000

Digital and Wireless Television, L.L.C.

6800 Chase Tower
600 Travis
Houston, TX 77002
P (713) 547-9024;
F (713) 547-9027
E-mail: darlav@c-com.net
Contact: William R. Jenkins, Jr.
Net High Bid: \$239,248

Duckhorn Broadcasting, Inc.

5550 Friendship Boulevard
Suite 2
Chevy Chase, MD 20815
P (301) 656-5858;
F (301) 656-3718
Contact: Kent S. Foster
Net High Bid: \$149,050

Eastern Illini Electric Cooperative

330 W. Ottawa Rd.
Paxton, IL 60957
P (217)379-2131;
F (217)379-2936
E-mail: kevin@illicom.net
Contact: Kevin G. Osterbur
Net Bid: \$721,500

Eclipse Communications Corporation

2001 N.W. Sammamish Road
Suite 100
Issaquah, WA 98027
P (425) 313-7775;
F (425) 313-7960
E-mail: gene.dejordy@wwireless.com
Contact: Gene DeJordy
Net High Bid: \$14,330,559

EER Systems Incorporated

10289 Aerospace Road
Seabrook, MD 20706
P (301)306-7837;
F (301)794-8886
E-mail: pereirac@eer.com
Contact: Cheryl Pereira
Net Bid: \$1,758,000

ENMR Telephone Cooperative, Inc.

P.O. Drawer 1947
7111 N. Prince Street
Clovis, NM 88101
P (505) 389-5100;
F (505) 389-5103
Contact: Tom M. Phelps
Net High Bid: \$2,880,000

Farmers Mutual Telephone Company

209 Iowa Avenue
Fruitland, ID 83619
P (208) 452-4241;
F (208) 452-5341
Contact: J.J. Garrett
Net High Bid: \$423,500

Farmers Telephone Cooperative, Inc.

P.O. Box 588
1101 E. Main Street
Kingstree, SC 29556-0588
P (803) 382-1377;
F (803) 382-2622
E-mail: horned@mail.ftc.org
Contact: Doug Horne
Net High Bid: \$126,750

Fleming-Mason Service Corporation

P.O. Box 328
Elizaville Road
Flemingsburg, KY 41041
P (606) 845-2661;
F (606) 845-1008
Contact: Anthony Overbey
Net High Bid: \$312,227

Gateway Telecom, L.L.C.

8976 E. Camino del Santo
Scottsdale, AZ 85260
P (602) 314-4667;
F (602) 314-1428
E-mail: russirvin3@aol.com
Contact: Howard R. Irvin, III
Net High Bid: \$281,095

GCI Communication Corp.

2550 Denali Street
Anchorage, AK 99503-2781
P (907) 265-5641;
F (907) 265-5676
E-mail: rpd@gci.com
Contact: Richard P. Dowling
Net High Bid: \$271,000

**Glenwood Telephone
Membership Corporation**

P.O. Box 97
510 West Gage Street
Blue Hill, NE 68930
P (402) 756-3131;
F (402) 756-3134
E-mail: manager@gtmc.net
Contact: Stanley D. Rouse
Net High Bid: \$186,450

Golden West Wireless, Inc.

410 Crown Street
Wall, SD 57790
P (605) 279-2161;
F (605) 279-2727
Contact: Dave LaFee
Net High Bid: \$257,400

Grand Connectivity L.L.C.

21411 Civic Center Drive, Suite 102
Southfield, MI 48076
P (248)355-4208;
F (248)355-9283
E-mail: serviceforce@earthlink.net
Contact: Joseph A. Pick
Net Bid: \$2,674,650

Gulf Coast Services, Inc.

100 West Laurel Avenue
Foley, AL 36535
P (334) 952-5445;
F (334) 943-8594
E-mail: mikek@gulftel.com
Contact: Michael K. Kaiser
Net High Bid: \$579,000

Hamilton Contracting, Inc.

3556 S. Culpepper
Suite 7
Springfield, MO 65804
P (417) 883-7887;
F (417) 883-5203
Contact: Kenneth E. Hamilton
Net High Bid: \$293,084

Highland Cellular, Inc.

550 N. Eisenhower Drive
Beckley, WV 25801
P (304)255-5981;
F (304)252-1852
E-mail: toma@inetone.net
Contact: Tom Attar
Net Bid: \$1,289,200

HighSpeed.Com, L.L.C.

1520 Kelly Place
Walla Walla, WA 99362
P (509) 520-5000;
F (509) 520-9966
E-mail: kylem@wwics.com
Contact: Kyle W. Mussman
Net Bid: \$5,469,072

Home Telephone Company, Inc.

P.O. Box 1194
468 Nelson Ferry Road
Moncks Corner, SC 29461
P (843) 761-9543;
F (843) 899-4548
E-mail: whelmly@infoave.net
Contact: William S. Helmly
Net High Bid: \$624,369

Horry Telephone Cooperative, Inc.

P.O. Box 1820
3480 Highway 701 North
Conway, SC 29526
P (803) 365-2151;
F (803) 365-1111
E-mail: bgroome@scoast.net
Contact: Brent D. Groome
Net High Bid: \$313,300

Iron Mountain Wireless, Inc.

1245 West Fairbanks Avenue
Suite 380
Spring Park, FL 32789-4878
P (407) 539-6540;
F (407) 539-6547
Contact: John R. Kuehne
Net High Bid: \$52,745

IT&E Overseas, Inc.

1010 South Marine Drive
Tamuning Guam 96911
P (671) 646-8886;
F (671) 646-4723
E-mail: jmborlas@ite.net
Contact: John M. Borlas
Net High Bid: \$180,150

license holders

Judicious Communications L.L.C.

10732 Hampton Road
Fairfax Station, VA 22039
P (703) 250-9575;
F (703) 250-9575
E-mail: ashbys@compuserve.com
Contact: Brian T. Ashby
Net High Bid: \$24,200

Kaplan Telephone Company, Inc.

118 N. Irving Avenue
Kaplan, LA 70548
P (318) 643-7171;
F (318) 643-6000
E-mail: cat@kaplantel.net
Contact: Bryan J. Matthews
Net High Bid: \$476,850

Kingdon R. Hughes (Individual)

2201 North Central Expressway
Suite 115
Richardson, TX 75080-2718
P (972) 669-7874;
F (972) 669-7873
E-mail: rushnet@compuserve.com
Contact: Kingdon R. Hughes
Net High Bid: \$1,299,000

KINI L.C.

621 Westport Boulevard
Salina, KS 67401
P (785)823-5049;
F (785)823-3856
Contact: Jay S. Emler
Net Bid: \$793,000

Lakedale Link, Inc.

P.O. Box 340
9938 Highway 55 N.W.
Annandale, MN 55302
P (320) 274-7777;
F (320) 274-3440
Contact: John M. Bishop
Net High Bid: \$233,350

LeoMax Communications

185 Vine Street
San Carlos, CA 94070-2007
P (650) 631-7852;
F (650) 358-4029
E-mail: cressetcon@aol.com
Contact: Steven M. Divney
Net High Bid: \$270,600

Liberty Cellular, Inc.

621 Westport Boulevard
Salina, KS 67402
P (785) 823-5049;
F (785) 823-3856
Contact: Jay Scott Emler
Net High Bid: \$1,219,116

Lightspeed Communications, LP

600 South Tyler, Suite 1200
Amarillo, TX 79101
P (202)371-7044;
F (202)661-9022
E-mail: dhpawlik@skadden.com
Contact: David H. Pawlik
Net Bid: \$2,801,700

LMDS Communications Inc.

412 Kirby Court
Walnut Creek, CA 94598-3907
P (925)518-5900;
F (925)472-0143
E-mail: sg@prepaid.cx
Contact: Stephen A. Goodman
Net Bid: \$990,550

LMDS L.P. (bid as LMDS Ltd.)

60 Route 46 East
Fairfield, NJ 07004
P (973) 227-1434;
F (973) 227-5070
E-mail: pcmgmt@worldnet.att.net
Contact: Steven Paulik
Net High Bid: \$1,651,650

LMDS Ventures

12800 University Drive
Suite 550
Ft. Myers, FL 33907
P (941)335-1320;
F (941)335-1339
Contact: Robert C. Martin
Net Bid: \$606,100

Loralen Corp. LLC

72 Providence St.
Boston, MA 02136
P (617)361-4750;
F (617)364-3233
E-mail Address: jav@gis.net
Contact: Jerome A. Vigil
Net Bid: \$336,050

Madison County Telephone Company

c/o Paul Feldman/FletcherHeald
1300 North 17th Street 11th Fl
Arlington, VA 22209
P (703)812-0403;
F (703)812-0486
E-mail: feldman@fhh-telcomlaw.com
Contact: Paul J. Feldman
Net Bid: \$277,750

Mark Twain Communications Company, Inc.

P.O. Box 68
Highway 6 East
Hurdland, MO 63547
P (816) 423-5211;
F (816) 423-5496
Contact: William A. Rohde
Net High Bid: \$42,900

Mary J. Kuiken (Partnership)

c/o Book Nook
3508 S. Minnesota Avenue
Suite 106
Sioux Falls, SD 57105
P (605) 332-7531;
F (605) 332-7531
E-mail:
"estormo/0003310166"@mcimail.com
Contact: Rosalyn W. Stormo
Net High Bid: \$560,311

McLeod USA, Incorporated

6400 C St. SW
Cedar Rapids, IA 52406
P (319)298-7672;
F (319)298-7767
E-mail: tmillard@mcleodusa.com
Contact: Tracy A. Millard
Net Bid: \$4,963,000

Media PCS Ventures, Inc.

140 East Market Street
York, PA 17401
P (717) 852-2392;
F (717) 771-1439
E-mail: jramirez@suscom.com
Contact: John Ramirez
Net High Bid: \$387,368

Message Express Company

123 West Orchard, Box 127
Delton, MI 49046-0127
P (616)623-9916;
F (616)623-8033
E-mail: refisher@mei.net
Contact: Robert E. Fisher
Net Bid: \$664,950

**Midwest Wireless
Communications, L.L.C.**

12 Civic Center Plaza
Suite 2165
Mankato, MN 56001
P (507) 345-5660;
F (507) 387-2454
Contact: Dennis E. Miller
Net High Bid: \$357,696

Miles Communications, Inc.

1019 Nineteenth Street, NW
Suite 500
Washington, DC 20036
P (202)530-9800;
F (202)530-9805
E-mail: cbennet@bennetlaw.com
Contact: Caressa D. Bennet
Net Bid: \$201,300

Moline Dispatch Publishing Company,

L.L.C.
1019 Nineteenth Street, NW
Suite 500
Washington, DC 20036
P (202)530-9800;
F (202)530-9805
E-mail: cbennet@bennetlaw.com
Contact: Caressa D. Bennet
Net Bid: \$1,801,500

Mr. Watson

P.O. Box 260
Swart Street
Margaretville, NY 12455
P (914) 586-3311;
F (914) 586-4050
Contact: Larry Roadman
Net High Bid: \$330,829

NettWork Consulting, LLC

3450 East Wesley Avenue
Denver, CO 80210
P (303)809-4223;
F (303)727-6816
E-mail: rnettleton@formus.net
Contact: Raymond W. Nettleton
Net Bid: \$178,750

Network Wireless

P.O. Box 1500
2605 West Ferguson
Mt. Pleasant, TX 75455
P (903) 573-0000;
F (903) 577-0387
E-mail: mkozel@bluebonnet.net
Contact: Marta Kozel
Net High Bid: \$239,250

New Wave Networks, L.L.C.

(Default)
250 South Martin
Zephyr Cove, NV 89448
P (702) 588-1995;
F (702) 588-0805
Contact: Joseph P. Gebhardt
Net High Bid: \$1,608,200

NEXTLINK Communications

155 108th St. NE
Bellevue, WA 98004
P (425) 519-8900;
F (425) 519-8910
Contact: Michael McHale

North Alabama Cellular, L.L.C.

505 Third Avenue East
Oneonta, AL 35121
P (205) 625-3591;
F (205) 625-6679
Contact: Bryan A. Corr
Net High Bid: \$72,355

**Northeast Communications of
Wisconsin, Inc.**

1641 Commanche Avenue
Suite I
Green Bay, WI 54313
P (920) 498-2480;
F (920) 498-1976
E-mail: ceo@netnet.net
Contact: Robert H. Riordan
Net High Bid: \$1,023,528

Northern Communications, Inc.

1831 Anne Street
Suite 100
Bemidji, MN 56601-5612
P (218) 751-3552;
F (218) 586-3121
Contact: Jeffery S. Gilbert
Net High Bid: \$23,650

**Northwest Communications
Cooperative**

111 Railroad Ave.
Ray, ND 58849
P (701) 568-3331;
F (701) 568-7778
Contact: Kenneth Lund, Jr.
Net High Bid: \$47,300

NUCOM

1403 30th Street, N.W.
Washington, DC 20007
P (202) 342-0667;
F (202) 333-8330
Contact: Chris MacLeod
Net High Bid: \$29,590

One Call Communications, Inc.

801 Congressional Boulevard
Suite 100
Carmel, IN 46032
P (317) 843-1300;
F (317) 580-7401
E-mail: jpence@onecall.net
Contact: Joseph A. Pence
Net High Bid: \$646,000

Orwell Communications, Inc.

70 South Maple Street
Orwell, OH 44076
P (440) 437-6111;
F (440) 437-1000
E-mail: orwell@orwell.net
Contact: Donald Pokorny
Net High Bid: \$406,450

Panhandle Telecommunication Systems, Inc.

P.O. Box 511
2224 N.W. Highway 64
Guymon, OK 73942
P (580) 338-7525;
F (580) 338-4203
E-mail: cpurdy@ptsi.net
Contact: Chris Purdy
Net High Bid: \$20,150

PCTV Gold, Inc.

5301 East Broadway
Tucson, AZ 85711
P (520) 519-4400;
F (520) 747-6830
E-mail: trowley@pchoicetv.com
Contact: Todd A. Rowley
Net High Bid: \$3,221,400

Pine Belt Communications, Inc.

P.O. Box 278
3984 County Road 32
Arlington, AL 36722-0278
P (334) 385-2106;
F (334) 385-2103
E-mail: lmds@pinebelt.net
Contact: John Nettles
Net High Bid: \$151,329

PinPoint Communications, Inc.

(Default)
P.O. Box 490
611 Patterson
Cambridge, NE 69022-0490
P (308) 697-3375;
F (308) 697-3631
E-mail: rhoffman@swnebr.net
Contact: Roger Hoffman
Net High Bid: \$158,950

Pioneer Consolidated, Inc.

1304 Main St.
Philomath, OR 97370
P (541)929-2000;
F (541)929-1221
Contact: Joe Madraso
Net Bid: \$134,750

Progressive Communications, Inc.

7617 Reading Road, #214
Cincinnati, OH 45237
P (513) 761-0111;
F (513) 761-0112
Contact: Henry R. Riggins
Net High Bid: \$96,250

PVT NetWorks, Inc.

4011 West Main
Artesia, NM 88210
P (505) 748-1241;
F (505) 746-4142
Contact: John C. Metts
Net High Bid: \$546,000

Rainier Cable, Inc.

104 Washington Avenue North
Eatonville, WA 98328
P (360)832-4144;
F (360)832-8817
E-mail: mikebell@mashell.com
Contact: Mike Bell
Net Bid: \$797,500

RF Development, L.L.C.

4940 Hampden Lane
Suite 212B
Bethesda, MD 20814
P (301) 718-6449;
F (301) 718-0694
E-mail: cwalters@erols.com
Contact: Charles E. Walters
Net High Bid: \$227,864

Ruvin Isak Lerman (Individual)

19844 Fairmount Circle
Eagle River, AK 99577
P (907) 694-4415;
F (907) 777-6831
E-mail: rlerman@gci.com
Contact: Ruvin I. Lerman
Net High Bid: \$156,750

Scientific Software Solutions, Inc.

P.O. Box 322
425 Highway Six East
Nettleton, MS 38858
P (601) 963-2854;
F (601) 963-3894
E-mail: pbaulch@dixie-net.com
Contact: Phillip W. Baulch
Net High Bid: \$51,700

SKSW LMDS Venture

215 South Iliff
Medicine Lodge, KS 67104
P (316) 239-4143;
F (316) 239-9960
Contact: Ramon N. Parker
Net High Bid: \$3,737,250

Star Search Rural TV & Cellular, Inc.

102 East Choctaw
Clayton, OK 74536
P (918) 569-4111;
F (918) 569-4121
Contact: Pauline VanHorn
Net High Bid: \$185,900

**Sulphur Springs Valley
Electric Cooperative, Inc.**

350 North Haskell Avenue
Willcox, AZ 85643-1718
P (520) 384-2221;
F (520) 384-5223
E-mail: bscott@ssvec.org
Contact: Barry Scott
Net High Bid: \$46,500

Sunshine LMDS Network, Inc.

400 East Government Street
Pensacola, FL 32501
P (850) 444-4444;
F (850) 444-4495
E-mail: tlutrick@gulf.net
Contact: Trey Lutrick
Net High Bid: \$2,515,285

Swayzee Telephone Company

214 South Washington Street
Swayzee, IN 46986-0097
P (765) 922-7916;
F (765) 922-4545
Contact: Sam Samuels
Net High Bid: \$60,080

Sycamore Telephone Company

(dba Bascom Mutual Telephone
Company)
P.O. Box 98
104 East 7th Street
Sycamore, OH 44882-0098
P (419) 927-6012;
F (419) 927-2990
E-mail: stc@bright.net
Contact: Richard D. Ekleberry
Net High Bid: \$127,600

Telecorp LMDS

1101 17th Street, N.W.
Suite 900
Washington, DC 20036
P (202) 721-0230;
F (202) 833-4800
Contact: Thomas H. Sullivan
Net High Bid: \$3,824,700

The Ponderosa Telephone Company

P.O. Box 21
47034 Road 201
O'Neals, CA 93645
P (209) 868-3312;
F (209) 868-3404
Contact: Dan Douglas
Net High Bid: \$317,200

TLA Spectrum, LLC

3905 Dakota Street SW
Alexandria, MN 56308
P (320)762-2000;
F (320)808-2102
Contact: Richard Ekstrand
Net Bid: \$7,039,000

Totecom of Oklahoma, Inc.

P.O. Box 300
101 Main
Ochelata, OK 74051
P (918) 535-2208;
F (918) 535-2701
Contact: Jesse R. Gailey
Net High Bid: \$646,800

Touch America, Inc.

130 North Main Street
Butte, MT 59701-6095
P (406) 496-5320;
F (406) 496-5330
E-mail: tlough@tamerica.com
Contact: Thomas Lough
Net High Bid: \$7,021,055

Townes Telecommunications, Inc.

Highway 82 at 29
Lewisville, AR 71845
P (870)921-4224;
F (870)921-4400
E-mail: wvj@townes.net
Contact: Vance Judd
Net Bid: \$536,000

Tri-Corners Telecommunications, Inc.

45 Stewart Street
Durango, CO 81301
P (970) 382-3530;
F (970) 247-1307
E-mail: gmunro@lpea.com
Contact: Greg Munro
Net High Bid: \$698,250

TVCON/Rio Vision

5311 South Marine Drive
Tempe, AZ 85283
P (602) 756-2218;
F (602) 838-7789
E-mail: ghzmtr@goodnet.com
Contact: Perry W. Haddon
Net High Bid: \$310,200

TWG LMDS, L.L.C.

120 Lakeside Avenue
Suite 310
Seattle, WA 98122-6578
P (206) 328-0808;
F (206) 328-0815
E-mail: kdonohue@waltergroup.com
Contact: Karen Donahue
Net High Bid: \$251,350

U S WEST Communications, Inc.

1801 California Street
Suite 5100
Denver, CO 80202
P (303) 672-2799;
F (303) 295-6973
E-mail: jbruegg@uswest.com
Contact: Jeffrey A. Brueggeman
Net High Bid: \$9,923,000

Valley Telephone Cooperative, Inc.

480 South 6th
Raymondville, TX 78580-2487
Contact: Elizabeth Fishel
Net High Bid: \$386,037

Vanguard LMDS Corporation

2002 Pisgah Church Road
Greensboro, NC 27455-3314
P (336) 545-2223;
F (336) 545-2219
E-mail: rcr@vcela.com
Contact: Richard C. Rowleson
Net High Bid: \$8,884,527

Venture Wireless, Inc.

218 Commercial Avenue, S.E.
Highmore, SD 57345-0157
P (605) 852-2224;
F (605) 852-2402
E-mail: rhoudek@sullybuttes.net
Contact: Randy W. Houdek
Net High Bid: \$443,702

VERSO LMDS, LLC

2601 Mariposa St., #100
San Francisco, CA 94110
P (202)434-4124;
F (202)434-4646
Contact: Michael F. Morrone
Net Bid: \$283,800

Virginia Tech Foundation, Inc.

111 Pack Building
Blacksburg, VA 24061-0208
P (540) 231-2861;
F (540) 231-2871
E-mail: cole@vt.edu
Contact: James D. Cole
Net High Bid: \$1,104,431

Webster-Calhoun Cooperative Telephone Association

c/o Arter & Hadden
1801 K Street, N.W.
Suite 400K
Washington, D.C. 20006
P (515) 352-3151;
F (515) 352-3025
E-mail: jttroup@arterhadden.com
Contact: Daryl Carlson
Net High Bid: \$72,452

West Carolina Rural Telephone Cooperative, Inc.

229 Highway 28 Bypass
Abbeville, SC 29620
P (864)446-2111;
F (864)446-2144
E-mail: dherron@wctel.net
Contact: David J. Herron
Net Bid: \$353,650

West Liberty Telephone Company

413 North Calhoun Street
West Liberty, IA 52776-1399
P (319) 627-2145;
F (319) 627-2187
E-mail: jttroup@arterhadden.com
Contact: Jerry Melick
Net High Bid: \$42,900

WinStar LMDS, L.L.C.

1146 19th Street, N.W.
Suite 200
Washington, DC 20036
P (202) 833-5678;
F (202) 659-1931
E-mail: jsandri@winstar.com
Contact: Joseph M. Sandri, Jr.
Net High Bid: \$43,372,050

Wireless Distribution Services, Inc.

2411 Sourek Road
Akron, OH 44333-2928
P (330) 864-1183;
F (330) 864-1190
Contact: Thomas E. Rawlings
Net High Bid: \$366,255

Wytec, Incorporated

3385 Scott Boulevard
Santa Clara, CA 95054
P (408)988-1112;
F (408)988-1113
E-mail: bobs@wytecinc.com
Contact: Robert J. Shaw
Net Bid: \$314,050

| License | Owner (A-Band) | Owner (B-Band) |
|-----------------------------|---|------------------------------------|
| BTA1-Aberdeen, SD | Venture Wireless, Inc. | Eclipse Communications Corporation |
| BTA2-Aberdeen, WA | Cloudnine Communications | Eclipse Communications Corporation |
| BTA3-Abilene, TX | Kingdon R. Hughes | Eclipse Communications Corporation |
| BTA4-Ada, OK | Chickasaw-People's PCS | CoServ, L.L.C. |
| BTA5-Adrian, MI | Actel Corporation | Duckhorn Broadcasting |
| BTA6-Albany-Tifton, GA | Sunshine LMDS Network | Baker Creek Communications, L.P. |
| BTA7-Albany-Schenectady, NY | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA8-Albuquerque, NM | ARNet, Inc. | ARNet, Inc. |
| BTA9-Alexandria, LA | Command Connect, L.L.C. | Actel Corporation |
| BTA10-Allentown, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA11-Alpena, MI | Blackwater Holdings, L.L.C. | Duckhorn Broadcasting |
| BTA12-Altoona, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA13-Amarillo, TX | ARNet, Inc. | ARNet, Inc. |
| BTA14-Anchorage, AK | Digital and Wireless Television, L.L.C. | GCI Communication Corp. |
| BTA15-Anderson, IN | Baker Creek Communications, L.P. | Progressive Communications |
| BTA16-Anderson, SC | West Carolina Rural Telephone | Baker Creek Communications, L.P. |
| BTA17-Anniston, AL | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA18-Appleton-Oshkosh, WI | Actel Corporation | Northeast Comm. of Wisconsin, Inc. |
| BTA19-Ardmore, OK | Chickasaw-People's PCS | Kingdon R. Hughes |
| BTA20-Asheville, NC | Highland Cellular | Baker Creek Communications, L.P. |
| BTA21-Ashtabula, OH | Cortelyou Communications Corp. | Orwell Communications, Inc. |
| BTA22-Athens, GA | Blackwater Holdings, L.L.C. | Baker Creek Communications, L.P. |
| BTA23-Athens, OH | Communication, Inc. | NEXTLINK Communications, Inc |
| BTA28-Bakersfield, CA | HighSpeed.Com, L.L.C. | Ponderosa Telephone Co., The |
| BTA29-Baltimore, MD | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA30-Bangor, ME | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA31-Bartlesville, OK | Totecom of Oklahoma, Inc. | Totecom of Oklahoma, Inc. |
| BTA32-Baton Rouge, LA | Command Connect, L.L.C. | Telecorp LMDS, Inc. |
| BTA33-Battle Creek, MI | Actel Corporation | Message Express Company |
| BTA34-Beaumont, TX | Command Connect, L.L.C. | Telecorp LMDS, Inc. |
| BTA35-Beckley, WV | Highland Cellular, Inc. | Baker Creek Communications, L.P. |
| BTA36-Bellingham, WA | Cloudnine Communications | Eclipse Communications Corporation |
| BTA37-Bemidji, MN | Northern Communications, Inc. | Northern Communications, Inc. |
| BTA38-Bend, OR | HighSpeed.Com, L.L.C. | New Wave Networks, L.L.C. |
| BTA39-Benton Harbor, MI | Actel Corporation | Grand Connectivity L.L.C. |
| BTA40-Big Spring, TX | Eclipse Communications Corporation | Kingdon R. Hughes |
| BTA41-Billings, MT | Touch America, Inc. | Eclipse Communications Corporation |
| BTA42-Biloxi, MS | Cellular Holding, Inc. | Baker Creek Communications, L.P. |
| BTA43-Binghamton, NY | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA44-Birmingham, AL | NEXTLINK Communications, Inc | Baker Creek Communications, L.P. |
| BTA45-Bismarck, ND | Touch America, Inc. | Eclipse Communications Corporation |
| BTA46-Bloomington, IL | Blackwater Holdings, L.L.C. | Network Consulting, L.L.C. |
| BTA47-Bloomington, IN | Baker Creek Communications, L.P. | One Call Communications, Inc. |
| BTA48-Bluefield, WV | Highland Cellular, Inc. | Baker Creek Communications, L.P. |
| BTA49-Blytheville, AR | Network Wireless | Baker Creek Communications, L.P. |
| BTA50-Boise-Nampa, ID | HighSpeed.Com, L.L.C. | Touch America, Inc. |
| BTA51-Boston, MA | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA52-Bowling Green, KY | Bluegrass Telecom, L.L.C. | Baker Creek Communications, L.P. |
| BTA53-Bozeman, MT | Cable & Communications Corporation | Eclipse Communications Corporation |
| BTA54-Brainerd, MN | TLA Spectrum, L.L.C. | Actel Corporation |

| License | Owner (A-Band) | Owner (B-Band) |
|--------------------------------|---|---|
| BTA55-Bremerton, WA | American Telecasting Development, Inc. | Eclipse Communications Corporation |
| BTA56-Brownsville, TX | Valley Telephone Cooperative, Inc. | TVCON/Rio Vision |
| BTA57-Brownwood, TX | Central Texas Telephone Investments, Inc. | Central Texas Telephone Investments, Inc. |
| BTA58-Brunswick, GA | Judicious Communications L.L.C. | Iron Mountain Wireless, Inc. |
| BTA59-Bryan, TX | ARNet, Inc. | CoServ, L.L.C. |
| BTA60-Buffalo, NY | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA61-Burlington, IA | McLeod USA, Inc. | NUCOM |
| BTA62-Burlington, NC | Cloudnine Communications | Catfish Communications, L.L.C. |
| BTA63-Burlington, VT | TLA Spectrum, L.L.C. | Baker Creek Communications, L.P. |
| BTA64-Butte, MT | Touch America, Inc. | Eclipse Communications Corporation |
| BTA65-Canton, OH | Cortelyou Communications Corp. | Baker Creek Communications, L.P. |
| BTA66-Cape Girardeau, MO | McLeod USA, Inc. | McLeod USA, Inc. |
| BTA67-Carbondale, IL | Blackwater Holdings, L.L.C. | Airlinx, G.P. |
| BTA68-Carlsbad, NM | PVT NetWorks, Inc. | ENMR Telephone Cooperative, Inc. |
| BTA69-Casper-Gillette, WY | Touch America, Inc. | Eclipse Communications Corporation |
| BTA70-Cedar Rapids, IA | Alpine Communications, L.C. | Mary J Kuiken |
| BTA71-Champaign-Urbana, IL | Eastern Illini Electric Cooperative | Mary J Kuiken |
| BTA72-Charleston, SC | Home Telephone Company, Inc. | Baker Creek Communications, L.P. |
| BTA73-Charleston, WV | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA74-Charlotte-Gastonia, NC | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA75-Charlottesville, VA | CRH Consortium | Baker Creek Communications, L.P. |
| BTA76-Chattanooga, TN | NEXTLINK Communications, Inc | Baker Creek Communications, L.P. |
| BTA77-Cheyenne, WY | Alta Wireless, Inc. | Touch America, Inc. |
| BTA78-Chicago, IL | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA79-Chico-Oroville, CA | Blackwater Holdings, L.L.C. | WinStar LMDS, L.L.C. |
| BTA80-Chillicothe, OH | Cortelyou Communications Corp. | Baker Creek Communications, L.P. |
| BTA81-Cincinnati, OH | Cortelyou Communications Corp. | NEXTLINK Communications, Inc |
| BTA82-Clarksburg-Elkins, WV | CRH Consortium | Baker Creek Communications, L.P. |
| BTA83-Clarksville, TN/KY | Baker Creek Communications, L.P. | Advantage Cellular Systems, Inc. |
| BTA84-Cleveland-Akron, OH | Cortelyou Communications Corp. | NEXTLINK Communications, Inc |
| BTA85-Cleveland, TN | Scientific Software Solutions, Inc. | Scientific Software Solutions, Inc. |
| BTA86-Clinton, IA-Sterling, IL | Mary J Kuiken | Command Connect, L.L.C. |
| BTA87-Clovis, NM | ENMR Telephone Cooperative, Inc. | AirCom Consultants, Inc. dba AirCom, Inc. |
| BTA88-Coffeyville, KS | Liberty Cellular, Inc. | Eclipse Communications Corporation |
| BTA89-Colorado Springs, CO | BTA Associates | BTA Associates |
| BTA90-Columbia, MO | EER Systems, Inc. | New Wave Networks |
| BTA91-Columbia, SC | NEXTLINK Communications, Inc | Baker Creek Communications, L.P. |
| BTA92-Columbus, GA | Sunshine LMDS Network | Baker Creek Communications, L.P. |
| BTA93-Columbus, IN | Miles Communications, Inc. | Baker Creek Communications, L.P. |
| BTA94-Columbus, MS | Cellular Holding, Inc. | Baker Creek Communications, L.P. |
| BTA95-Columbus, OH | Cortelyou Communications Corp. | NEXTLINK Communications, Inc |
| BTA96-Cookeville, TN | Advantage Cellular Systems, Inc. | Advantage Cellular Systems, Inc. |
| BTA97-Coos Bay, OR | Blackwater Holdings, L.L.C. | Cloudnine Communications |
| BTA98-Corbin, KY | Fleming-Mason Service Corporation | Baker Creek Communications, L.P. |
| BTA99-Corpus Christi, TX | Actel Corporation | Baker Creek Communications, L.P. |
| BTA100-Cumberland, MD | CRH Consortium | Baker Creek Communications, L.P. |
| BTA101-Dallas-Ft. Worth, TX | NEXTLINK Communication, Inc. | CoServ, L.L.C. |
| BTA102-Dalton, GA | Charles J. Brinkman | Advantage Cellular Systems, Inc. |
| BTA103-Danville, IL | Eastern Illini Electric Cooperative | Mary J Kuiken |
| BTA104-Danville, VA | Virginia Tech Foundation, Inc | Baker Creek Communications, L.P. |
| BTA105-Davenport, IA/IL | Moline Dispatch Publishing | Mary J Kuiken |
| BTA106-Dayton, OH | Cortelyou Communications Corp. | Baker Creek Communications, L.P. |
| BTA107-Daytona Beach, FL | LMDS Ltd. | Lakedale Link, Inc. |
| BTA108-Decatur, AL | North Alabama Cellular, L.L.C. | Baker Creek Communications, L.P. |
| BTA109-Decatur-Effingham, IL | Blackwater Holdings, L.L.C. | Command Connect, L.L.C. |

| License | Owner (A-Band) | Owner (B-Band) |
|-------------------------------|---|---|
| BTA110-Denver, CO | BTA Associates | U S WEST Communications, Inc. |
| BTA111-Des Moines, IA | NEXTLINK Communication, Inc. | U S WEST Communications, Inc. |
| BTA112-Detroit, MI | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA113-Dickinson, ND | Liberty Cellular, Inc. | Liberty Cellular, Inc. |
| BTA115-Dothan-Enterprise, AL | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA116-Dover, DE | RF Development, L.L.C. | Baker Creek Communications, L.P. |
| BTA117-Du Bois-Clearfield, PA | LMDS Communications, Inc. | Baker Creek Communications, L.P. |
| BTA118-Dubuque, IA | McLeod USA, Inc. | Alpine Communications, L.C. |
| BTA119-Duluth, MN | TLA Spectrum, L.L.C. | Actel Corporation |
| BTA120-Dyersburg, TN | Loralen Corp., L.L.C. | Baker Creek Communications, L.P. |
| BTA121-Eagle Pass, TX | AirCom Communications | TVCON/Rio Vision |
| BTA122-East Liverpool, OH | LMDS Communications, Inc. | Baker Creek Communications, L.P. |
| BTA 123-Eau Claire, WI | TLA Spectrum, L.L.C. | Northeast Communications of Wisconsin, Inc. |
| BTA124-El Centro, CA | AirCom Communications | TVCON/Rio Vision |
| BTA125-El Dorado, AR | Actel Corporation | Baker Creek Communications, L.P. |
| BTA126-Elkhart, IN | Actel Corporation | Baker Creek Communications, L.P. |
| BTA127-Elmira, NY | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA128-El Paso, TX | ARNet, Inc. | ARNet, Inc. |
| BTA129-Emporia, KS | Liberty Cellular, Inc. | Liberty Cellular, Inc. |
| BTA130-Enid, OK | AKS LMDS Venture | AKS LMDS Venture |
| BTA131-Erie, PA | EER Systems Inc. | Baker Creek Communications, L.P. |
| BTA132-Escanaba, MI | Blackwater Holdings, L.L.C. | Northeast Communications of Wisconsin, Inc. |
| BTA133-Eugene, OR | HighSpeed.Com, L.L.C. | U S WEST Communications, Inc. |
| BTA134-Eureka, CA | Cloudnine Communications, Inc. | Cloudnine Communications, Inc. |
| BTA135-Evansville, IN | Baker Creek Communications, L.P. | One Call Communications, Inc. |
| BTA136-Fairbanks, AK | Digital and Wireless Television, L.L.C. | WinStar LMDS, L.L.C. |
| BTA137-Fairmont, WV | Gateway Telecom, L.L.C. | Baker Creek Communications, L.P. |
| BTA138-Fargo, ND | Eclipse Communications Corporation | Touch America, Inc. |
| BTA139-Farmington, NM | Tri-Corners Telecommunications, Inc. | Tri-Corners Telecommunications, Inc. |
| BTA140-Fayetteville, AR | Townes Telecommunications | Catfish Communications, L.L.C. |
| BTA141-Fayetteville, NC | LMDS Ventures | Baker Creek Communications, L.P. |
| BTA142-Fergus Falls, MN | Touch America, Inc. | TLA Spectrum, L.L.C. |
| BTA143-Findlay-Tiffin, OH | Cortelyou Communications Corp. | Bascom Mutual Telephone Company |
| BTA144-Flagstaff, AZ | Rubin Isaak Lerman | New Wave Networks, L.L.C. |
| BTA145-Flint, MI | Actel Corporation | McLeod USA, Inc. |
| BTA146-Florence, AL | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA147-Florence, SC | EER Systems, Inc. | Baker Creek Communications, L.P. |
| BTA148-Fond du Lac, WI | Blackwater Holdings, L.L.C. | Northeast Communications of Wisconsin, Inc. |
| BTA149-Ft. Collins, CO | BTA Associates | Touch America, Inc. |
| BTA150-Ft. Dodge, IA | Webster-Calhoun Coop. Tele. Assoc. | ABS LMDS Venture |
| BTA151-Ft. Myers, FL | LMDS Ltd. | Baker Creek Communications, L.P. |
| BTA152-Ft. Pierce, FL | LMDS Ltd. | Baker Creek Communications, L.P. |
| BTA153-Ft. Smith, AR | Madison County Telephone | Baker Creek Communications, L.P. |
| BTA154-Ft. Walton Beach, FL | Sunshine LMDS Network, Inc. | Baker Creek Communications, L.P. |
| BTA155-Ft. Wayne, IN | Actel Corporation | Baker Creek Communications, L.P. |
| BTA156-Fredericksburg, VA | CRH Consortium | Baker Creek Communications, L.P. |
| BTA157-Fresno, CA | WinStar LMDS, L.L.C. | HighSpeed.Com, L.L.C. |
| BTA158-Gadsden, AL | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA159-Gainesville, FL | Wireless Distribution Services, Inc. | Baker Creek Communications, L.P. |
| BTA160-Gainesville, GA | Highland Cellular, Inc. | Baker Creek Communications, L.P. |
| BTA161-Galesburg, IL | Cloudnine Communications | Mary J Kuiken |
| BTA162-Gallup, NM | AirCom Communication | AirCom Communication |
| BTA163-Garden City, KS | Liberty Cellular, Inc. | Duckhorn Broadcasting |
| BTA164-Glens Falls, NY | TLA Spectrum, L.L.C. | Baker Creek Communications, L.P. |
| BTA165-Goldsboro, NC | LMDS Ventures | Baker Creek Communications, L.P. |

| License | Owner (A-Band) | Owner (B-Band) |
|------------------------------|--|--|
| BTA166-Grand Forks, ND | Eclipse Communications Corporation | Eclipse Communications Corporation |
| BTA167-Grand Island, NE | Glenwood Telephone Membership Corp. | Eclipse Communications Corporation |
| BTA168-Grand Junction, CO | BTA Associates | U S WEST Communications, Inc. |
| BTA169-Grand Rapids, MI | Actel Corporation | Grand Connectivity, L.L.C. |
| BTA170-Great Bend, KS | Liberty Cellular, Inc. | Liberty Cellular, Inc. |
| BTA171-Great Falls, MT | Touch America, Inc. | Eclipse Communications Corporation |
| BTA172-Greeley, CO | BTA Associates | Eclipse Communications Corporation |
| BTA173-Green Bay, WI | Northeast Communications Wisconsin, Inc. | Actel Corporation |
| BTA174-Greensboro, NC | WinStar LMDS, L.L.C. | Baker Creek Communications, L.P. |
| BTA175-Greenville, MS | Cellular Holding, Inc. | Actel Corporation |
| BTA176-Greenville, NC | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA177-Greenville, SC | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA178-Greenwood, SC | West Carolina Rural Telephone | Baker Creek Communications, L.P. |
| BTA179-Hagerstown, MD | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA180-Hammond, LA | Command Connect, L.L.C. | Baker Creek Communications, L.P. |
| BTA181-Harrisburg, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA182-Harrison, AR | Totecom of Oklahoma | Baker Creek Communications, L.P. |
| BTA183-Harrisonburg, VA | CRH Consortium | Baker Creek Communications, L.P. |
| BTA184-Hartford, CT | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA185-Hastings, NE | Glenwood Telephone Membership Corp. | PinPoint Communications, Inc. |
| BTA186-Hattiesburg, MS | Cellular Holding, Inc. | Baker Creek Communications, L.P. |
| BTA187-Hays, KS | Liberty Cellular, Inc. | Liberty Cellular, Inc. |
| BTA188-Helena, MT | Touch America, Inc. | Eclipse Communications Corporation |
| BTA189-Hickory, NC | NEXTLINK Communications, Inc | Baker Creek Communications, L.P. |
| BTA190-Hilo, HI | HighSpeed.Com, L.L.C. | Eclipse Communications Corporation |
| BTA191-Hobbs, NM | ENMR Telephone Cooperative, Inc. | ENMR Telephone Cooperative, Inc. |
| BTA192-Honolulu, HI | HighSpeed.Com, L.L.C. | Eclipse Communications Corporation |
| BTA193-Hot Springs, AR | Totecom of Oklahoma | Baker Creek Communications, L.P. |
| BTA194-Houghton, MI | Blackwater Holdings, L.L.C. | Northeast Communications Wisconsin, Inc. |
| BTA195-Houma, LA | Command Connect, L.L.C. | Baker Creek Communications, L.P. |
| BTA196-Houston, TX | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA197-Huntington, WV | Vanguard LMDS Corp. | CRH Consortium |
| BTA198-Huntsville, AL | NEXTLINK Communications, Inc | Baker Creek Communications, L.P. |
| BTA199-Huron, SD | Venture Wireless, Inc. | Eclipse Communications Corporation |
| BTA200-Hutchinson, KS | SKSW LMDS Venture | SKSW LMDS Venture |
| BTA201-Hyannis, MA | Highland Cellular, Inc. | Baker Creek Communications, L.P. |
| BTA202-Idaho Falls, ID | Touch America, Inc. | Eclipse Communications Corporation |
| BTA203-Indiana, PA | LMDS Communications, Inc. | Baker Creek Communications, L.P. |
| BTA204-Indianapolis, IN | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA205-Iowa City, IA | Venture Wireless, Inc. | West Liberty Telephone Company |
| BTA206-Iron Mountain, MI | Blackwater Holdings, L.L.C. | Northeast Communications Wisconsin, Inc. |
| BTA207-Ironwood, MI | Blackwater Holdings, L.L.C. | Northeast Communications Wisconsin, Inc. |
| BTA208-Ithaca, NY | Mr. Watson | WinStar LMDS, L.L.C. |
| BTA209-Jackson, MI | Actel Corporation | Grand Connectivity, L.L.C. |
| BTA210-Jackson, MS | Cellular Holding, Inc. | Baker Creek Communications, L.P. |
| BTA211-Jackson, TN | Actel Corporation | Baker Creek Communications, L.P. |
| BTA212-Jacksonville, FL | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA213-Jacksonville, IL | McLeod USA, Inc. | Mary J Kuiken |
| BTA214-Jacksonville, NC | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA215-Jamestown, NY | LMDS Communications, Inc. | Baker Creek Communications, L.P. |
| BTA216-Janesville-Beloit, WI | Actel Corporation | ABS LMDS Venture |
| BTA217-Jefferson City, MO | New Wave Networks | Cloudnine Communications |
| BTA218-Johnstown, PA | LMDS Communications, Inc. | Baker Creek Communications, L.P. |
| BTA219-Jonesboro, AR | Command Connect, L.L.C. | Baker Creek Communications, L.P. |
| BTA220-Joplin, MO | Craw-Kan Telephone Cooperative, Inc. | Totecom of Oklahoma, Inc. |

| License | Owner (A-Band) | Owner (B-Band) |
|--------------------------|---------------------------------------|---|
| BTA221-Juneau, AK | LeoMax Communications | WinStar LMDS, L.L.C. |
| BTA222-Kahului, HI | HighSpeed.Com, L.L.C. | Eclipse Communications Corporation |
| BTA223-Kalamazoo, MI | Actel Corporation | Message Express Company |
| BTA224-Kalispell, MT | LeoMax Communications | Touch America, Inc. |
| BTA225-Kankakee, IL | Eastern Illini Electric Cooperative | Mary J Kuiken |
| BTA226-Kansas City, MO | Alta Wireless, Inc. | NEXTLINK Communications, Inc |
| BTA227-Keene, NH | TLA Spectrum, L.L.C. | Baker Creek Communications, L.P. |
| BTA228-Kennewick, WA | HighSpeed.Com, L.L.C. | Touch America, Inc. |
| BTA229-Kingsport, TN | Virginia Tech Foundation, Inc. | Baker Creek Communications, L.P. |
| BTA230-Kirksville, MO | Mark Twain Communications Co., Inc. | Mark Twain Communications Co., Inc. |
| BTA231-Klamath Falls, OR | HighSpeed.Com, L.L.C. | NEXTLINK Communications, Inc |
| BTA232-Knoxville, TN | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA233-Kokomo, IN | McLeod USA, Inc. | Baker Creek Communications, L.P. |
| BTA234-La Crosse, WI | TLA Spectrum, L.L.C. | Actel Corporation |
| BTA235-Lafayette, IN | McLeod USA, Inc. | Baker Creek Communications, L.P. |
| BTA236-Lafayette, LA | Kaplan Telephone Company, Inc. | Baker Creek Communications, L.P. |
| BTA237-La Grange, GA | Blackwater Holdings, L.L.C. | Baker Creek Communications, L.P. |
| BTA238-Lake Charles, LA | Command Connect, L.L.C. | Baker Creek Communications, L.P. |
| BTA239-Lakeland, FL | Wireless Distribution Services, Inc. | NEXTLINK Communications, Inc |
| BTA240-Lancaster, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA241-Lansing, MI | Actel Corporation | Grand Connectivity, L.L.C. |
| BTA242-Laredo, TX | Alenco Communications, Inc. | Alenco Communications, Inc. |
| BTA243-La Salle, IL | Verso LMDS, L.L.C. | Mary J Kuiken |
| BTA244-Las Cruces, NM | Eclipse Communications Corporation | AirCom Communications |
| BTA245-Las Vegas, NV | BCK\Rivgam, L.L.C. | BCK\Rivgam, L.L.C. |
| BTA246-Laurel, MS | Cellular Holding, Inc. | Baker Creek Communications, L.P. |
| BTA247-Lawrence, KS | Liberty Cellular, Inc. | Liberty Cellular, Inc. |
| BTA248-Lawton-Duncan, OK | ARNet, Inc. | Chickasaw-People's PCS |
| BTA249-Lebanon, NH | TLA Spectrum, L.L.C. | Baker Creek Communications, L.P. |
| BTA250-Lewiston, ID | HighSpeed.Com, L.L.C. | Touch America, Inc. |
| BTA251-Lewiston, ME | Media PCS Ventures, Inc. | Baker Creek Communications, L.P. |
| BTA252-Lexington, KY | NEXTLINK Communications, Inc | Baker Creek Communications, L.P. |
| BTA253-Liberal, KS | Liberty Cellular, Inc. | Panhandle Telecommunication Systems, Inc. |
| BTA254-Lihue, HI | Lakedale Link, Inc. | New Wave Networks, L.L.C. |
| BTA255-Lima, OH | Cortelyou Communications Corp. | Orwell Communications, Inc. |
| BTA256-Lincoln, NE | Eclipse Communications Corporation | U S WEST Communications, Inc. |
| BTA257-Little Rock, AR | Telecorp LMDS, Inc. | Baker Creek Communications, L.P. |
| BTA258-Logan, UT | Ruvn Isaak Lerman | Touch America, Inc. |
| BTA259-Logan, WV | Vanguard LMDS Corp. | Iron Mountain Wireless, Inc. |
| BTA260-Longview, TX | Actel Corporation | Baker Creek Communications, L.P. |
| BTA261-Longview, WA | Eclipse Communications Corporation | AirCom Consultants, Inc. dba AirCom, Inc. |
| BTA262-Los Angeles, CA | NEXTLINK Communications, Inc | NEXTLINK Communication, Inc. |
| BTA263-Louisville, KY | NEXTLINK Communications, Inc | Baker Creek Communications, L.P. |
| BTA264-Lubbock, TX | ENMR Telephone Cooperative, Inc. | ARNet, Inc. |
| BTA265-Lufkin, TX | Command Connect, L.L.C. | Baker Creek Communications, L.P. |
| BTA266-Lynchburg, VA | CRH Consortium | Baker Creek Communications, L.P. |
| BTA267-McAlester, OK | Star Search Rural TV & Cellular, Inc. | Chickasaw-People's PCS |
| BTA268-McAllen, TX | Valley Telephone Cooperative, Inc. | TVCON/Rio Vision |
| BTA269-McComb, MS | Cellular Holding, Inc. | Baker Creek Communications, L.P. |
| BTA270-McCook, NE | PinPoint Communication, Inc. | PinPoint Communication, Inc. |
| BTA271-Macon, GA | Sunshine LMDS Network | Baker Creek Communications, L.P. |
| BTA272-Madison, WI | Actel Corporation | ABS LMDS Venture |
| BTA273-Madisonville, KY | Fleming-Mason Service Corporation | Baker Creek Communications, L.P. |
| BTA274-Manchester, NH | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA275-Manhattan, KS | Liberty Cellular, Inc. | Liberty Cellular, Inc. |

| License | Owner (A-Band) | Owner (B-Band) |
|------------------------------|--|---|
| BTA276-Manitowoc, WI | Blackwater Holdings, L.L.C. | Northeast Communications Wisconsin, Inc. |
| BTA277-Mankato, MN | Midwest Wireless Communications, L.L.C. | TLA Spectrum, L.L.C. |
| BTA278-Mansfield, OH | Cortelyou Communications Corp. | NEXTLINK Communications, Inc |
| BTA279-Marinette, WI | Northeast Communications Wisconsin, Inc. | Northeast Communications Wisconsin, Inc. |
| BTA280-Marion, IN | Swayzee Telephone Company | Baker Creek Communications, L.P. |
| BTA281-Marion, OH | Cortelyou Communications Corp. | Baker Creek Communications, L.P. |
| BTA282-Marquette, MI | Blackwater Holdings, L.L.C. | Northeast Communications of Wisconsin, Inc. |
| BTA283-Marshalltown, IA | Mary J Kuiken | Mary J Kuiken |
| BTA284-Martinsville, VA | Virginia Tech Foundation, Inc | Baker Creek Communications, L.P. |
| BTA285-Mason City, IA | Ace Link Telecommunications | ABS LMDS Venture |
| BTA286-Mattoon, IL | Blackwater Holdings, L.L.C. | Mary J Kuiken |
| BTA287-Meadville, PA | LMDS Communications Inc. | Baker Creek Communications, L.P. |
| BTA288-Medford, OR | HighSpeed.Com, L.L.C. | NEXTLINK Communications, Inc |
| BTA289-Melbourne, FL | LMDS Ltd. | Network Wireless |
| BTA290-Memphis, TN | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA291-Merced, CA | Rainier Cable, Inc. | HighSpeed.Com, L.L.C. |
| BTA292-Meridian, MS | Cellular Holding, Inc. | Baker Creek Communications, L.P. |
| BTA293-Miami, FL | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA294-Michigan City, IN | Actel Corporation | Baker Creek Communications, L.P. |
| BTA295-Middlesboro, KY | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA296-Midland, TX | Eclipse Communications Corporation | Kingdon R. Hughes |
| BTA297-Milwaukee, WI | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA298-Minneapolis, MN | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA299-Minot, ND | Eclipse Communications Corporation | Northwest Communications Cooperative |
| BTA300-Missoula, MT | Eclipse Communications Corporation | Touch America, Inc. |
| BTA301-Mitchell, SD | ABS LMDS Venture | Eclipse Communications Corporation |
| BTA302-Mobile, AL | Gulf Coast Services, Inc. | Baker Creek Communications, L.P. |
| BTA303-Modesto, CA | WinStar LMDS, L.L.C. | HighSpeed.Com, L.L.C. |
| BTA304-Monroe, LA | Actel Corporation | Command Connect, L.L.C. |
| BTA305-Montgomery, AL | Sunshine LMDS Network, Inc. | Baker Creek Communications, L.P. |
| BTA306-Morgantown, WV | Gateway Telecom, L.L.C. | CRH Consortium |
| BTA307-Mt. Pleasant, MI | Actel Corporation | Grand Connectivity, L.L.C. |
| BTA308-Mt. Vernon, IL | Blackwater Holdings, L.L.C. | Airlinx, G.P. |
| BTA309-Muncie, IN | McLeod USA, Inc. | Baker Creek Communications, L.P. |
| BTA310-Muskegon, MI | Actel Corporation | Grand Connectivity, L.L.C. |
| BTA311-Muskogee, OK | Totecom of Oklahoma, Inc. | Chickasaw-People's PCS |
| BTA312-Myrtle Beach, SC | Horry Telephone Cooperative, Inc. | Horry Telephone Cooperative, Inc. |
| BTA313-Naples, FL | LMDS Ltd. | Baker Creek Communications, L.P. |
| BTA314-Nashville, TN | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA315-Natchez, MS | Cellular Holding, Inc. | Duckhorn Broadcasting, Inc. |
| BTA316-New Bern, NC | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA317-New Castle, PA | LMDS Communications, Inc. | NUCOM |
| BTA318-New Haven, CT | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA319-New London, CT | Loralen Corp., L.L.C. | Eclipse Communications Corporation |
| BTA320-New Orleans, LA | WinStar LMDS, L.L.C. | Telecorp LMDS, Inc. |
| BTA321-New York, NY | NEXTLINK Communications, Inc. | NEXTLINK Communications, Inc. |
| BTA322-Nogales, AZ | TVCON/Rio Vision | TVCON/Rio Vision |
| BTA323-Norfolk, NE | Cloudnine Communications | Eclipse Communications Corporation |
| BTA324-Norfolk, VA | WinStar LMDS, L.L.C. | Baker Creek Communications, L.P. |
| BTA325-North Platte, NE | Eclipse Communications Corporation | Baker Creek Communications, L.P. |
| BTA326-Ocala, FL | Rainier Cable, Inc. | NEXTLINK Communications, Inc |
| BTA327-Odessa, TX | Eclipse Communications Corporation | TVCON/Rio Vision |
| BTA328-Oil City-Franklin, PA | LMDS Communications, Inc. | Baker Creek Communications, L.P. |
| BTA329-Oklahoma City, OK | ARNet, Inc. | CoServ, L.L.C. |
| BTA330-Olean, NY | LMDS Communications, Inc. | Baker Creek Communications, L.P. |

| License | Owner (A-Band) | Owner (B-Band) |
|------------------------------|---|---|
| BTA331-Olympia, WA | Cloudnine Communications | Eclipse Communications Corporation |
| BTA332-Omaha, NE | ARNet, Inc. | U S WEST Communications, Inc. |
| BTA333-Oneonta, NY | Mr. Watson | NUCOM |
| BTA334-Opelika-Auburn, AL | Catfish Communications, L.L.C. | Catfish Communications, L.L.C. |
| BTA335-Orangeburg, SC | LMDS Communications Inc. | Baker Creek Communications, L.P. |
| BTA336-Orlando, FL | WinStar LMDS, L.L.C. | Telecorp LMDS, Inc. |
| BTA337-Ottumwa, IA | ABS LMDS Venture | ABS LMDS Venture |
| BTA338-Owensboro, KY | Fleming-Mason Service Corporation | Baker Creek Communications, L.P. |
| BTA339-Paducah, KY | Fleming-Mason Service Corporation | Baker Creek Communications, L.P. |
| BTA340-Panama City, FL | Sunshine LMDS Network, Inc. | Network Wireless |
| BTA341-Paris, TX | Chickasaw-People's PCS | Star Search Rural TV & Cellular, Inc. |
| BTA342-Parkersburg, WV | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA343-Pensacola, FL | Sunshine LMDS Network, Inc. | Baker Creek Communications, L.P. |
| BTA344-Peoria, IL | McLeod USA, Inc. | Verso LMDS, L.L.C. |
| BTA345-Petoskey, MI | Blackwater Holdings, L.L.C. | LeoMax Communications |
| BTA346-Philadelphia, PA | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA347-Phoenix, AZ | Alta Wireless, Inc. | PCTV Gold, Inc. |
| BTA348-Pine Bluff, AR | Network Wireless | Baker Creek Communications, L.P. |
| BTA349-Pittsburg-Parsons, KS | Craw-Kan Telephone Cooperative, Inc. | Liberty Cellular, Inc. |
| BTA350-Pittsburgh, PA | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA351-Pittsfield, MA | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA352-Plattsburgh, NY | TLA Spectrum, L.L.C. | Baker Creek Communications, L.P. |
| BTA353-Pocatello, ID | Eclipse Communications Corporation | Touch America, Inc. |
| BTA354-Ponca City, OK | AKS LMDS Venture | Totelcom of Oklahoma, Inc. |
| BTA355-Poplar Bluff, MO | McLeod USA, Inc. | Cloudnine Communications |
| BTA356-Port Angeles, WA | Eclipse Communications Corporation | Cloudnine Communications |
| BTA357-Portland, ME | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA358-Portland, OR | NEXTLINK Communications, Inc | U S WEST Communications, Inc. |
| BTA359-Portsmouth, OH | Baker Creek Communications, L.P. | NUCOM |
| BTA360-Pottsville, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA361-Poughkeepsie, NY | Mr. Watson | Baker Creek Communications, L.P. |
| BTA362-Prescott, AZ | PCTV Gold, Inc. | AirCom Consultants, Inc. dba AirCom, Inc. |
| BTA363-Presque Isle, ME | Baker Creek Communications, L.P. | Cloudnine Communications |
| BTA364-Providence, RI | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA365-Provo-Orem, UT | WinStar LMDS, L.L.C. | Touch America, Inc. |
| BTA366-Pueblo, CO | Eclipse Communications Corporation | BTA Associates |
| BTA367-Quincy, IL | Adams Telecom, Inc. | Mary J Kuiken |
| BTA368-Raleigh-Durham, NC | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA369-Rapid City, SD | Golden West Wireless, Inc. | Eclipse Communications Corporation |
| BTA370-Reading, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA371-Redding, CA | Blackwater Holdings, L.L.C. | New Wave Networks, L.L.C. |
| BTA372-Reno, NV | BCK\Rivgam, L.L.C. | HighSpeed.Com, L.L.C. |
| BTA373-Richmond, IN | Miles Communications | Baker Creek Communications, L.P. |
| BTA374-Richmond, VA | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA375-Riverton, WY | LMDS Communications Inc. | Eclipse Communications Corporation |
| BTA376-Roanoke, VA | Virginia Tech Foundation, Inc | Baker Creek Communications, L.P. |
| BTA377-Roanoke Rapids, NC | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA378-Rochester, MN | Midwest Wireless Communications, L.L.C. | TLA Spectrum, L.L.C. |
| BTA379-Rochester, NY | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA380-Rockford, IL | Moline Dispatch Publishing | Mary J Kuiken |
| BTA381-Rock Springs, WY | Ruvn Isaak Lerman | Eclipse Communications Corporation |
| BTA382-Rocky Mount, NC | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA383-Rolla, MO | New Wave Networks | Cloudnine Communications |
| BTA384-Rome, GA | Pioneer Consolidated | Baker Creek Communications, L.P. |
| BTA385-Roseburg, OR | HighSpeed.Com, L.L.C. | AirCom Consultants, Inc. dba AirCom, Inc |

| License | Owner (A-Band) | Owner (B-Band) |
|-----------------------------|---|---|
| BTA386-Roswell, NM | ENMR Telephone Cooperative, Inc. | ENMR Telephone Cooperative, Inc. |
| BTA387-Russellville, AR | Totecom of Oklahoma | Baker Creek Communications, L.P. |
| BTA388-Rutland, VT | TLA Spectrum, L.L.C. | Baker Creek Communications, L.P. |
| BTA389-Sacramento, CA | NEXTLINK Communications, Inc | WinStar LMDS, L.L.C. |
| BTA390-Saginaw-Bay City, MI | Grand Connectivity, L.L.C. | Actel Corporation |
| BTA391-St. Cloud, MN | Touch America, Inc. | Cellular Mobile Systems St. Cloud G. P. |
| BTA392-St. George, UT | American Wireless, Inc. | AirCom Communications |
| BTA393-St. Joseph, MO | Liberty Cellular, Inc. | Liberty Cellular, Inc. |
| BTA394-St. Louis, MO | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA395-Salem, OR | Farmers Mutual Telephone Company | HighSpeed.Com, L.L.C. |
| BTA396-Salina, KS | Kini, L.C. | Liberty Cellular, Inc. |
| BTA397-Salinas, CA | Blackwater Holdings, L.L.C. | TWG LMDS, L.L.C. |
| BTA398-Salisbury, MD | RF Development, L.L.C. | Baker Creek Communications, L.P. |
| BTA399-Salt Lake City, UT | WinStar LMDS, L.L.C. | Eclipse Communications Corporation |
| BTA400-San Angelo, TX | Central Texas Telephone Investments, Inc. | Central Texas Telephone Investments, Inc. |
| BTA401-San Antonio, TX | NEXTLINK Communication, Inc. | CoServ, L.L.C. |
| BTA402-San Diego, CA | Alta Wireless, Inc. | NEXTLINK Communications, Inc |
| BTA403-Sandusky, OH | Cortelyou Communications Corp. | Orwell Communications, Inc. |
| BTA404-San Francisco, CA | WinStar LMDS, L.L.C. | NEXTLINK Communications, Inc |
| BTA405-San Luis Obispo, CA | NEXTLINK Communications, Inc | TWG LMDS, L.L.C. |
| BTA406-Santa Barbara, CA | NEXTLINK Communications, Inc | TWG LMDS, L.L.C. |
| BTA407-Santa Fe, NM | Eclipse Communications Corporation | ARNet, Inc. |
| BTA408-Sarasota, FL | LMDS Ltd. | Baker Creek Communications, L.P. |
| BTA409-Sault Ste. Marie, MI | Blackwater Holdings, L.L.C. | Northeast Communications of Wisconsin, Inc. |
| BTA410-Savannah, GA | Blackwater Holdings, L.L.C. | Baker Creek Communications, L.P. |
| BTA411-Scottsbluff, NE | Eclipse Communications Corporation | Baker Creek Communications, L.P. |
| BTA412-Scranton, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA413-Seattle-Tacoma, WA | NEXTLINK Communications, Inc | Eclipse Communications Corporation |
| BTA414-Sedalia, MO | New Wave Networks | Cloudnine Communications |
| BTA415-Selma, AL | Pine Belt Communications, Inc. | Baker Creek Communications, L.P. |
| BTA416-Sharon, PA | LMDS Communications, Inc. | Baker Creek Communications, L.P. |
| BTA417-Sheboygan, WI | Rubin Isaak Lerman | Northeast Communications Wisconsin, Inc. |
| BTA418-Sherman-Denison, TX | Kingdon R. Hughes | Kingdon R. Hughes |
| BTA419-Shreveport, LA | Actel Corporation | Baker Creek Communications, L.P. |
| BTA420-Sierra Vista, AZ | Sulphur Springs Valley Electric Coop., Inc. | TVCON/Rio Vision |
| BTA421-Sioux City, IA | Venture Wireless, Inc. | ABS LMDS Venture |
| BTA422-Sioux Falls, SD | ABS LMDS Venture | Eclipse Communications Corporation |
| BTA423-Somerset, KY | Baker Creek Communications, L.P. | Fleming-Mason Service Corporation |
| BTA424-South Bend, IN | Actel Corporation | Baker Creek Communications, L.P. |
| BTA425-Spokane, WA | Touch America, Inc. | HighSpeed.Com, L.L.C. |
| BTA426-Springfield, IL | Wytec, Inc. | Command Connect, L.L.C. |
| BTA427-Springfield, MA | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA428-Springfield, MO | Hamilton Contracting, Inc. | Iron Mountain Wireless, Inc. |
| BTA429-State College, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA430-Staunton, VA | Highland Cellular, Inc. | CRH Consortium |
| BTA431-Steubenville, OH | Gateway Telecom, L.L.C. | Baker Creek Communications, L.P. |
| BTA432-Stevens Point, WI | Northeast Communications Wisconsin, Inc. | Actel Corporation |
| BTA433-Stillwater, OK | Central Oklahoma Telephone Company | Totecom of Oklahoma, Inc |
| BTA434-Stockton, CA | Blackwater Holdings, L.L.C. | Ponderosa Telephone Co., The |
| BTA435-Stroudsburg, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA436-Sumter, SC | Farmers Telephone Cooperative, Inc. | Baker Creek Communications, L.P. |
| BTA437-Sunbury, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA438-Syracuse, NY | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA439-Tallahassee, FL | Sunshine LMDS Network, Inc. | Baker Creek Communications, L.P. |
| BTA440-Tampa, FL | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |

| License | Owner (A-Band) | Owner (B-Band) |
|-----------------------------|--|---|
| BTA441-Temple-Killeen, TX | Kingdon R. Hughes | Kingdon R. Hughes |
| BTA442-Terre Haute, IN | McLeod USA, Inc. | Baker Creek Communications, L.P. |
| BTA443-Texarkana, TX/AR | Actel Corporation | Network Wireless |
| BTA444-Toledo, OH | Cortelyou Communications Corp. | NEXTLINK Communications, Inc |
| BTA445-Topeka, KS | Liberty Cellular, Inc. | Liberty Cellular, Inc. |
| BTA446-Traverse City, MI | Ace Link Telecommunications | Actel Corporation |
| BTA447-Tucson, AZ | ARNet, Inc. | U S WEST Communications, Inc. |
| BTA448-Tulsa, OK | ARNet, Inc. | ARNet, Inc. |
| BTA449-Tupelo-Corinth, MS | Actel Corporation | Baker Creek Communications, L.P. |
| BTA450-Tuscaloosa, AL | Pine Belt Communications, Inc. | Baker Creek Communications, L.P. |
| BTA451-Twin Falls, ID | Touch America, Inc. | Eclipse Communications Corporation |
| BTA452-Tyler, TX | Actel Corporation | Baker Creek Communications, L.P. |
| BTA453-Utica-Rome, NY | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA454-Valdosta, GA | Sunshine LMDS Network | Baker Creek Communications, L.P. |
| BTA455-Vicksburg, MS | Cellular Holding, Inc. | Baker Creek Communications, L.P. |
| BTA456-Victoria, TX | Cloudnine Communications | CoServ, L.L.C. |
| BTA457-Vincennes, IN | Blackwater Holdings, L.L.C. | Baker Creek Communications, L.P. |
| BTA458-Visalia, CA | HighSpeed.Com, L.L.C. | Ponderosa Telephone Co., The |
| BTA459-Waco, TX | Kingdon R. Hughes | Kingdon R. Hughes |
| BTA460-Walla Walla, WA | HighSpeed.Com, L.L.C. | Touch America, Inc. |
| BTA461-Washington, DC | NEXTLINK Communication, Inc. | NEXTLINK Communications, Inc |
| BTA462-Waterloo, IA | Alpine Communications, L.C. | McLeod USA, Inc. |
| BTA463-Watertown, NY | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA464-Watertown, SD | Golden West Wireless, Inc. | Eclipse Communications Corporation |
| BTA465-Waterville, ME | Media PCS Ventures, Inc. | Baker Creek Communications, L.P. |
| BTA466-Wausau, WI | Northeast Communications Wisconsin, Inc. | Actel Corporation |
| BTA467-Waycross, GA | Blackwater Holdings, L.L.C. | NUCOM |
| BTA468-Wenatchee, WA | HighSpeed.Com, L.L.C. | Touch America, Inc. |
| BTA469-West Palm Beach, FL | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA470-West Plains, MO | New Wave Networks | Cloudnine Communications |
| BTA471-Wheeling, WV | Gateway Telecom, L.L.C. | Baker Creek Communications, L.P. |
| BTA472-Wichita, KS | SKSW LMDS Venture | SKSW LMDS Venture |
| BTA473-Wichita Falls, TX | ARNet, Inc. | Comcell, Inc. |
| BTA474-Williamson, WV | Cloudnine Communications | Baker Creek Communications, L.P. |
| BTA475-Williamsport, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA476-Williston, ND | Northwest Communications Cooperative | Eclipse Communications Corporation |
| BTA477-Willmar-Marshall, MN | Midwest Wireless Communications, L.L.C. | Cellular Mobile Systems of St. Cloud G. P., LLP |
| BTA478-Wilmington, NC | EER Systems, Inc. | Baker Creek Communications, L.P. |
| BTA479-Winchester, VA | CRH Consortium | Baker Creek Communications, L.P. |
| BTA480-Worcester, MA | NEXTLINK Communication, Inc. | Baker Creek Communications, L.P. |
| BTA481-Worthington, MN | Midwest Wireless Communications, L.L.C. | ABS LMDS Venture |
| BTA482-Yakima, WA | HighSpeed.Com, L.L.C. | Eclipse Communications Corporation |
| BTA483-York-Hanover, PA | Vanguard LMDS Corp. | Baker Creek Communications, L.P. |
| BTA484-Youngstown, OH | Cortelyou Communications Corp. | Lakedale Link, Inc. |
| BTA485-Yuba City, CA | Blackwater Holdings, L.L.C. | Northeast Communications Wisconsin, Inc |
| BTA486-Yuma, AZ | AirCom Communications | AirCom Consultants, Inc. dba AirCom, Inc. |
| BTA487-Zanesville, OH | Cortelyou Communications Corp. | Baker Creek Communications, L.P. |
| BTA488-San Juan, PR | Lightspeed Communications | Telecorp LMDS, Inc |
| BTA489-Mayaguez, PR | Lightspeed Communications | Telecorp LMDS, Inc. |
| BTA490-Guam | IT&E Overseas, Inc. | IT&E Overseas, Inc. |
| BTA491-US Virgin Islands | Antilles Wireless Cable TV Co. | Telecorp LMDS, Inc. |
| BTA492-American Samoa | Vernal Communications | WinStar LMDS, L.L.C. |
| BTA493-Northern Mariana | IT&E Overseas, Inc. | IT&E Overseas, Inc |

ART is a publicly traded, facilities-based Internet Service Provider, headquartered in Bellevue, Washington. The company provides wireless, broadband telecommunications services using the 38 GHz band of radio frequency spectrum over an ATM backbone. ART provides businesses with end-to-end, enterprise-network services including high-speed Internet (up to 100 Mbps), local area network (LAN), Web hosting, and e-commerce solutions. ART owns or has rights to over 350 licenses in more than 210 US markets from coast-to-coast, and several territories overseas. The company operates metropolitan area networks in Seattle, Phoenix and Portland covering a total of 216 buildings. ART's networks cover a potential of over 250 million customers in the US and Europe, with access to more than 371 million channel POPs.

Indicative of the company's aggressive forward momentum, ART reported revenues of \$565,000 for the first half of 1999, up 20 percent from the same period last year. The company's revenue for the first six months of the year consisted of approximately \$350,000 of service revenue from its remaining carrier operations and \$215,000 in fees charged for the company's Internet service. Operating costs amounted to nearly \$30 million, more than double that of the first half of 1998. For the second quarter, ART reported net losses of \$12.5 million, on total cash assets of \$53.8 million.

Qwest's investment, which involves taking a 19 percent stake in ART, is indicative of changing attitudes towards what was, in the not so distant past, a little known and often misunderstood new technology.

With equipment vendor Lucent Technologies, ART is building IP-based, metropolitan area networks to support a range of Internet access services, Intranets, Extranets, IP telephony, and enhanced Web-based applications on the local, regional and national levels. In addition to its recent operations in Phoenix, Seattle and Portland, in July, the company began testing its 100 Mbps service in the San Jose area using Cisco routers and the new "consecutive point" radio system from Triton Network Systems. The system supports transmission speeds thousands of times faster than traditional Internet connections, and is scheduled for commercial deployment in San Jose by September. The company

plans to expand the service to 40 of the top 50 US markets in the next few years.

Throughout the spring and summer, ART added nearly 700 new buildings to its portfolio of commercial and multi-dwelling units. An August deal with DEVNET, a Connecticut-based real estate company, gave ART access to 410 commercial office buildings in 11 states, including Arizona, California, Colorado, Florida, Illinois, Indiana, Michigan, New York, Texas, Virginia, and Washington. Earlier in the year, the company reached an agreement with CarrAmerica Realty Corporation that included more than 250 buildings in 14 markets.

In overseas markets, ART made headway in several localities in Northern Europe and began to implement pilot projects. In April, the company announced that it would use ART Nordic AB's 26 GHz license in Norway to begin test deployment of a point-to-multipoint, fixed wireless system in downtown Oslo. The company plans to launch the service to a limited number of buildings to test the delivery of its Internet service. Most recently, in August, ART was awarded spectrum rights in Finland for two consecutive channels in each of the 26 GHz and 38 GHz bands. The deal gives ART access to nearly 450 MHz of spectrum in the top markets of Helsinki, Vantaa, Espoo, Tampere, Turku, and Oulu. The acquisition gives the company wireless broadband potential in one of the most advanced communications markets in the world.

In the future, ART plans to expand the reach of its Internet access by realizing its continued build-out strategy. In the United States, this means growth into 90 percent of the top 100 markets. In Europe, the company hopes inroads in Finland and Norway will lead to a north continental infrastructure with links to networks in the United Kingdom and Denmark, where the company has additional spectrum rights.

the first digital encryption system to pay television. CoServ Broadband was the successful bidder on five B block, LMDS licenses in 1998's FCC auction, covering a population of over 2.5 million. The company serves territories in Dallas, San Antonio College Station, and Victoria, TX; and, Oklahoma City and Ada, OK.

CoServ uses its LMDS spectrum to compliment a 300 mile fiber-optic network that utilizes Nortel's, 100 percent digital, switching equipment and provides telephone, voice, data, and private line to multi-family and commercial dwellings. The company has experienced growing demand for its private line service, and will

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begin to include a range of content offerings with its service. To support growth, CoServ has begun aggressive deployment of a number of additional node sites.

CoServ Broadband's successful integration of high-speed, high-bandwidth, wireless technology into its communications network infrastructure can be attributed to the reputation of CoServ Utilities as a reliable, regional, multiple service provider. With the ability to target customers within a current company database, CoServ Broadband offers new capabilities for the company's existing business subscribers, while expanding its network reach to serve a new generation of potential communications clientele. This unique position within its regional landscape gives CoServ the advantage it needs to offer improved productivity and long term support at competitive prices.

CoServ offers its business customers a range of integrated telecommunications services including Basic Centrex and Centrex ACD (automatic call distribution), which handles large numbers of incoming calls by distributing them equally to up to 48 groups of answering positions. The company's Primary Rate Interface, ISDN lines offer users full T-1 carrier capabilities, promoting the high-speed transmission of voice, data and graphics, and support for video-conferencing, graphic-intensive networking, and e-mail and Internet service. CoServ delivers its Internet service over DSL, dial-up and LAN networks, which the company

recently began to deploy in multi-family dwellings. CoServ's broadband service currently penetrates up to 30 percent of the buildings within its coverage range.

CoServ's cable offerings include unique interactive capabilities that support universal remote, pay-per-view ordering, parental viewing control, and the ability to automatically record programs to a VCR through integrated, company software. The company's service offers access to more than 50 channels over high-tech, fiber-optic cable. The CoServ Broadband headquarters includes a state-of-the-art production facility, three studios for programming origination, twenty video control rooms, a satellite reception antenna farm, and three fiber-optic POPs.

In the future, CoServ will continue to expand its footprint in the broadband marketplace and work with other start-ups to further develop and market wireless technology. The company is currently part of a small-company consortium of B block license holders who work together on research and development. The consortium holders maintain about 75 licenses collectively and meet regularly to share infrastructure, engineering experience, vendor buying power, and legal and governmental resources. The company will continue to work with consortium members to develop the equipment and technologies that will support the next generation, high-bandwidth, wireless market.

CoServ Broadband seeks to be a major player in the markets of voice, data and video delivery to commercial, multi-family and single-family customers, utilizing its network of wireless, cable, fiber, and copper. CoServ's success is indicative of the viability of broadband wireless as a compliment for start-ups seeking a high-speed alternative to costly, fiber network build-out.

with a fiber optics installation company based in Indiana. Mr. Mussman recently sold his highly successful, Blue Mountain Cellular Telephone business, to concentrate entirely on LMDS.

Sawatzki's background includes over thirteen years in public accounting including working for Price Waterhouse and as a

HSC's services address the needs of organizations that are beginning to discover the economics of private networks, virtual private networks and the potential of e-commerce.

partner in a CPA firm. Tom has significant experience in deal negotiations and administrative operations. He has also put together large bank syndicates and packages for obtaining equity financing.

Roy Willy brings over 20 years of telecommunication experience to the organization. Roy has developed markets from initial business plans through successful operation. Roy leads the HSC team responsible for the planning and system deployment of markets.

Robert Green's two decades in the telecommunications industry includes the installation of switches for local telephone companies and serving as Chief Technical Officer with Blue Mountain Cellular, where he developed extensive experience in the design, installation and operation of wireless systems.

HighSpeed.Com is a privately held LMDS licensee. HSC currently owns LMDS licenses in 7 western states-Washington, Oregon, Idaho, California, Colorado, Nevada and Hawaii. The total population of the license area covered by HighSpeed.Com exceeds 12 million.

HSC provides business and residential customers with high-speed data lines (T-1's, DS3's), high-speed Internet lines (fractional T-1's, Frame Relay), local area network (LAN) and wide area network (WAN), inter-connectivity (10 base T and 100 base T), and, in the future, video and voice services.

As a start-up company, HighSpeed.Com is aggressively pursuing a strategy of expansion and growth. The company is a contender in the Western United States LMDS market and has been busy acquiring spectrum rights, including recent purchases in both Colorado and Nevada.

HSC's services address the needs of organizations that are beginning to discover the economics of private networks, virtual private networks and the potential of e-commerce. HSC services that will address these needs include broadband network transport services such as T1 and fractional T1 connections for private line use, and value added network services like Internet connectivity, managed Local Area Networks (LANs) and web hosting to name a few.

Over the long term, broadband wireless technologies will complement the wired broadband network by offering competitive access in areas served by the wired systems, and by providing the only source of access for areas not served by the wired networks. For new entrants-who have traditionally lacked the infrastructure to participate in the marketplace-LMDS and the solutions presented by HSC, offer a window of opportunity.

Recognizing that wireless cannot meet every need, HighSpeed.Com has acquired CLEC (Competitive Local Exchange Carrier) status in the states of planned operation. This will allow the company access to facilities for those situations where wireless is not the best solution, or where customers require redundancy.

HSC is busy developing relationships with strategic partners in its area of service. Along with its partners, the company hopes to take advantage of the increasing demand for broadband services, which has created an opportunity for a new generation of communication service providers.

The HighSpeed.Com team has spent the last three years studying the technology, equipment and competition necessary to deploy one of the first commercially available LMDS broadband wireless systems in the United States. With the growth of the Internet, LANs, WANs, data and telephony, and by building a New World Network, the company is positioned to become a premier Network Service Provider for the markets it serves.

In August 1998, MaxLink agreed to buy \$400 million (US\$273.7 million) worth of LMCS equipment from Newbridge over a span of four years. Prior to the Maxlink purchase of WIC Connexus, relations between Newbridge and WIC Connexus had been on shaky ground since February 1999 when Newbridge filed suit against WIC Western, the parent company of WIC Connexus. The suit alleged that WIC Western breached its contract with Newbridge when it decided to use Cisco as its network supplier, effectively canceling a \$500 million (US\$340 million) order for Newbridge equipment. Pursuant to MaxLink's purchase of WIC Connexus and Regional Vision, Newbridge dropped its suit against WIC Western, and is now in the process of helping MaxLink build a coast-to-coast, broadband network based on ATM and Internet Protocol.

The deal with Newbridge included a move to a time division multiple access (TDMA) infrastructure, which permits the company to divide the radio channel of a single frequency band into numerous time slots. The technology allows for efficient use of radio spectrum by eliminating the need for extra channels to service multiple customers. Throughout the late summer and early fall, MaxLink plans to introduce upgraded software to its networks that will allow it to take full advantage of this new technology. The software, also supplied by Newbridge, will support the dynamic allocation of time slots making it possible to use frequency and network capacity only when information is being transmitted.

Like many of its counterparts in broadband wireless, MaxLink looks to the viability of the high-speed data market to fuel its growth. The company hopes to take advantage of this market and provide symmetrical broadband connectivity to the small and medium-sized businesses that are scattered across vast sections of its rural territory. MaxLink incorporates a combined wireless and fiber network that is capable of servicing those customers who are beyond the economical reach of fiber and, within three years, anticipates that it will be able to reach 20 times the number of locations that can be served by fiber alone.

MaxLink is in a position to take advantage of an eager and highly developed telecommunications market. While Canada trails behind the US in the number of active competitive telecom providers, market demand is high and the country enjoys telephony penetration in 98.5 percent of its households, 5 percent more than the US. Since deregulation, competitive entrants have captured nearly 40 percent of Canadian business over six years, prompted mainly by a growing data market. Nearly half of all

Canadian households have personal computers, compared to only 37 percent in the US.

MaxLink's financial strength is driven by its shareholders, vendor financing and a banking facility arranged by J.P. Morgan that, combined, will give the company the momentum it needs to realize its \$1 billion, four-year target goals. MaxLink is technically a privately-held "group of companies", and operates as a

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consortium of members from Claridge, Inc., Capital Communications, Robert Bradshaw, Socièté's Gasbeau, and US Wavelink Telecommunications, Inc.

MaxLink believes that the growing demand for high-speed Internet access and the dramatic expansion of electronic commerce and virtual private networks will drive the marketplace for its next generation telecommunications solutions. In the next three to four years, the company expects its network of wireless facilities to reach over 40,000 buildings of greater than 50,000 square feet, and an even larger number of smaller commercial buildings and multiple dwellings. Since acquiring Canada's remaining LMCS licenses, MaxLink has been busy putting together the management and sales team it will need to be competitive into 2000. The company currently has a management staff of about 160, and expects that number to more than double over the next six-months.

Throughout the fall and winter, MaxLink will continue to upgrade and expand its converged wireless and wireline networks. The company is confident that its investment will pay off as broadband wireless gains a stronger foothold in Canada's \$20 billion telecommunications sector. Over the next few months, MaxLink will turn on service in several new markets, and before long, hopes to begin activity in both Toronto and Vancouver.

As a result, in July, NEXTLINK's Board of Directors approved a two-for-one split of the company's class A and B stock. On August 18, shareholders will receive one additional share of NEXTLINK stock for each share held. Company officials hope the lower stock price will help broaden NEXTLINK's investor base by enhancing the marketability of its common shares.

With its plan to provide high-quality, broadband communication services to small and medium-sized businesses, NEXTLINK has carved a niche for itself in a market often over-looked by the telecommunications establishment. The company that originally set out to target second-tier cities, such as Nashville and Spokane, continues its expansion into the nation's top markets. NEXTLINK began 1999 with moves into Dallas, Miami and Denver, and recently launched commercial service in Washington, D.C., Newark, NJ and Seattle. By year's end, NEXTLINK hopes to be active in Boston, Detroit, Houston, and Phoenix, and by the end of 2000 intends to serve most of the top 30 markets in the US.

NEXTLINK is banking heavily on the viability of LMDS as a means to compliment and extend the reach of its fiber networks. The company is in the midst of a monumental expansion program that involves the construction of INTERNEXT, a 16,000 mile, high-speed, IP-centric fiber optic backbone network that will connect over 50 cities in the US and Canada, which it expects to be complete by 2001. Already the nation's largest holder of LMDS spectrum, NEXTLINK is busy consolidating its hold on microwave-radio frequency and currently has over \$800 million riding on the technology.

In April, the company completed its purchase of WNP Communications, which held 40 LMDS licenses. The \$695 million acquisition, which included \$152.9 million in FCC licensing fees, gives NEXTLINK access to WNP's 39 A block licenses, which cover 98 million POP's, and 1 B block license covering 16 million POP's.

Most recently, in June, NEXTLINK announced a strategic alliance with SPEEDUS.com, a facilities-based, super high-speed ISP, that will give the company additional broadband wireless spectrum in New York City. Under the deal, NEXTLINK paid \$20 million for 150-MHz of spectrum and an additional \$20 million for two-million shares of SPEEDUS.com stock. The purchase provides NEXTLINK with 300-MHz of contiguous spectrum in this major market. The combined reach of the spectrum acquired by NEXTLINK since January, which includes

42 LMDS licenses gained from its \$138 million buy-out of Nextel Communications' share of NextBand, covers approximately 95% of the top 30 US markets.

NEXTLINK's success seems to ride on its ability to stay ahead of the curve on the road to new technologies. In April, NEXTLINK expanded its technology team to take advantage of developments in state-of-the-art Internet services. The initiative included the opening of an Internet design center in Cambridge, MA, to design and build the leading-edge Internet capabilities that will be built into NEXTLINK's nationwide network. Heading the center will be John Curran, formerly of GTE Internetworking, who is one of the nation's foremost authorities on Internet technology.

NEXTLINK also announced a recent partnership with Microsoft to develop an experimental "smart" community that will incorporate elements of next generation, broadband technology throughout a commercial and residential complex. NEXTLINK will carry Microsoft's most advanced commercially available technologies through the complex over its fiber and wireless broadband network. The complex will be connected by an intra-building backbone that will support voice, data and video devices to serve commercial office, retail, hotel, and residential tenants.

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NEXTLINK is confident that its investments will pay off in a future dominated by converged voice/data networks. The company is taking an active roll in developing the technologies that will serve businesses in the coming millenium. At NEXTLINK's Plano, TX, research center, Nextlab, company scientists are busy testing the products that will make next generation service possible. Nextlab serves as a training center for company vendors and engineers as well as a network operations center for NEXTLINK ventures. The company hopes that by staying on top of industry developments and being the first to implement them in a test environment, NEXTLINK will gain a decisive advantage over its larger, more established competitors.

Teligent's wireless service is delivered by rooftop antennas that relay signals over an ATM platform to a company base station. From there, the signals are routed to a broadband switching center and then on to other networks. Headed by former AT&T president, Alex Mandl, Teligent began operating in 15 markets in 1998 and, by continuous investment, is now at the forefront of the national LMDS industry.

Promising revenue growth throughout 1999 prompted Teligent to re-think its short term goals. The company reported second quarter earnings of \$4 million, which is more than two-and-a-half times first quarter revenues and four times the company's entire 1998 take. As a result, Teligent announced that it would raise its year-end target for securing access rights to customer buildings by 20 percent, from 5,000 to 6,000 buildings. By the end of the second quarter, the company had already signed leases or options for 4,252 customer buildings, an increase of 37 percent from the first quarter.

In June, Teligent introduced a new high-speed data service called, SmartWave DSL™, which integrates point-to-point and point-to-multipoint microwave radio equipment with traditional broadband wireline technology. Using advanced digital subscriber line electronics to enhance the copper circuits inside customer buildings, the service provides for increased transmission

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speeds with the potential to upgrade. SmartWave DSL™ comes with four bandwidth options, ranging from 150-kbps up to 1.5-Mbps, or nearly 30 times faster than dial-up speed. The service is currently available in approximately one-third of Teligent's markets with further roll-outs expected in fall.

Teligent plans to continue to expand its position in the data market in the second half of 1999. By further developing its capabilities as an Internet service provider, the company hopes to take advantage of the growing market for Web-based, e-commerce solutions. Teligent currently contracts with an outside vendor for Internet services, but is in the process of developing its own ISP infrastructure by deploying ATM switches and advanced data routers throughout its broadband switching centers.

The company expects to install a significant portion of its ISP facilities by the end of the year, and plans to begin rolling out advanced Internet applications over the facilities sometime in 2000.

Teligent's second quarter growth was reflected in a 17 percent increase in the company's workforce. Since April, Teligent's staff has grown from 1,866 to 2,237 employees, including a 30 percent boost in the size of its sales team. To accommodate an 87 percent increase in sales, Teligent beefed-up its sales force to 433 as of June 30, which the company says has helped heighten the efficiency of its representatives.

Teligent has experienced increasing success in the speedy deployment of its fixed wireline and wireless equipment. Over the spring of 1999, the number of "on net" customer buildings with installed point-to-multipoint and/or point-to-point units grew from 471 to 737, while wireline installations increased over 50 percent, from 328 to 783. At the end of June, Teligent had in place nearly 70 fixed wireless base stations and had begun the installation of next generation software in its point-to-multipoint units. The company hopes the network upgrade will increase the efficiency of network management by shortening maintenance intervals and improving system reliability.

As a result of second quarter investments and network build-outs, Teligent reported \$15 million more in losses than it started the year with. On capital expenditures of \$35 million, the company reported \$123 million in net loss, up from \$108 million in quarter one. As of July, Teligent reported available cash and cash equivalents of \$386 million, including \$200 million received from the company's existing bank credit facility.

In spite of mounting net loss, Teligent stock continues to rise. Since August 1998, the price of a share of Teligent stock has more than doubled, topping off around \$75 per share in mid-July. In June, the company filed a universal shelf registration statement with the Securities and Exchange Commission that would enable it to raise \$1 billion through the sale of a combination of stocks and securities. The SEC has yet to rule on the statement.

In the future, Teligent hopes to take full advantage of the communication industry's shift from voice to data services, and plans to ride the wave of e-business into a leading position among telecommunication providers.

bility of LMDS as an alternative to wireline telecommunications access in rural areas. The group's mission is to educate its professionals and the public on the latest developments in wireless technology, and to cultivate interest in alternative methods of telecommunications. Virginia Tech's LMDS research will focus on business as well as technical issues; and goals include identifying target markets, reducing hardware costs and determining optimal system design and layout from a financial and technical perspective.

The group quickly set about seeking a partner to help with build-out, and by November 1998, had begun negotiations with Washington-based technology and equipment supplier, Wavtrace. The company agreed to donate its PTM 1000 LMDS system to Virginia Tech for use in its trial network. The equipment is the first wireless broadband system to rely entirely on time division duplexing technology (TDD), which utilizes a single microwave channel for both upstream and downstream transmission.

Phase I of Virginia Tech's LMDS program got underway in March, 1999, with initial site evaluations and terrain surveying. The partnership decided to begin initial build-out around the Blacksburg area, which surrounds the campus, and to utilize a single HUB with two remote receivers installed a half-mile from the site.

By April, final sites were chosen based on reliability of existing service and frequency of use, and included the school's Natural History Museum, Landscape Architecture lab building, student television station, and administrative office building. By mid-May, the group commenced equipment installation, with initial test deployment shortly thereafter.

Phase I of the Virginia Tech LMDS trials have focused primarily on data transmission, including Internet access and e-mail applications, with additional testing in voice, video-conferencing and multi-media to follow. Initial reports from the school have been promising, and users report experiencing favorable results over the network. The Virginia Tech research groups continually monitor the network's performance, keeping statistics on a variety of factors such as weather conditions, usage and connection reliability.

Virginia Tech hopes to use the Blacksburg model as a basis for similar deployments throughout its license area. The school already has plans to begin Phase II of its test project, which will involve next generation equipment and a remote receiver installed 1.5 miles from the HUB. Phase III, which is currently in the planning stages, will begin sometime in the fall.

Since taking its place in the LMDS industry, Virginia Tech has

become a vocal participant in market related projects and consortiums. In May, the school joined such industry leaders as Nortel, Newbridge, WinStar, Bellcore, and Lucent at a conference in Arlington to discuss LMDS market strategies. In September the school's Center for Wireless Communications will host a workshop to investigate planning and operational issues for deploying second generation LMDS. In addition, the school's Center for Innovative Technology is host to the LMDS Research Consortium, consisting of licensees and equipment suppliers, which funds research, provides training and promotes networking opportunities between its members. The school's LMDS program has also played host to a variety of research papers and dissertations, including a recent analysis of the feasibility of using LMDS as a mobile system on passenger trains, which was conducted at the behest of Lockheed Martin.

In the future, Virginia Tech hopes to take advantage of its position as a research and development facility to promote widespread access to affordable, high-speed, advanced communications in rural communities. The school hopes to obtain licenses for the three remaining southwest Virginia counties of Bland, Tazewell and Buchanan in future auctions. Virginia Tech is also in the process of negotiating partnerships with several large companies, including Ameritech, Bell Atlantic, Newbridge, IBM, and Siemens, to launch additional pilot projects in locations that have

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expressed interest in being part of a test deployment. Finally, Virginia Tech is committed to determining the healthcare and educational potentials of LMDS technology by encouraging other universities to follow its lead. The school has formed a partnership with Georgia Tech, The University of Tennessee-Knoxville and Oak Ridge Associated Universities to generate Federal funding to support LMDS research and deployment; and it plans to continue to act as an agent for other schools, including Kentucky's Pikeville College, who wish to participate in future FCC auctions.

WinStar's growth in data services was driven by a portfolio of Internet service providers, with more than a million customers total, who are now using the company's Wireless Fiber™ networks, plus WinStar's own customer base of over 50,000 retail subscribers with nearly 6,000 hosted web sites. In August, the company was awarded a two-year, \$7.5 million contract to provide support for MindSpring's growing online community. WinStar will provide a wide range of communications services to the company and will carry MindSpring's Web content over its broadband backbone.

Throughout the spring and summer of 1999, WinStar has continued to expand its local Internet presence. In April, the company formed an alliance with GRIC Communications, a leading international network provider, to add global Internet roaming capabilities to its portfolio of Web-based services. The new service provides WinStar's dial-up customers with secure, cost-effective, worldwide access to the Web from over 4,000 POPs in 140 countries.

Then, in June, WinStar announced that it had expanded its Tier 1 Internet backbone to include the Seattle Internet Exchange Point (SIX). By increasing its number of regional Internet exchange points, the company hopes to improve the speed, reliability and efficiency of its network. In addition to SIX, WinStar is currently connected to the Mae-East, Mae-West, AADS, SprintNAP, PacBell NAP, and Tuscon Internet Exchange peering points. The company has peering arrangements with more than 120 providers, leading to more than 400 interconnections.

Coupled with WinStar's surge into data markets has been an increase in network build-outs throughout the first two quarters of 1999. Growing demand and aggressive installations led to the addition of 69,000 new lines since April. As of July 1, the company had a total of 453,000 lines with 27-percent "on net". In the company's key markets, which include New York City, Los Angeles, Chicago, Boston, and Dallas, 62-percent of the added lines were fully on WinStar's network, up from 19-percent a year ago, and the percentage of "on net" customers in the group grew from 39 to 42-percent over three-months.

The company also set about increasing its number of HUB sites. With 97 sites currently operational, WinStar has begun work on 43 new HUBs, with the construction of 29 more set to begin in the near future. As of July, the company held leases on 169 HUB sites that were either operational or in the construction phase.

To support this growth, WinStar set a company record by obtaining access rights to more than 700 commercial office buildings in

the second quarter of 1999, bringing its total to over 5,500. The company works with commercial property owners to set up HUB sites and to provide tenants with telecommunications services through its Wireless Fiber™ networks. WinStar signed agreements with a number of large property owners, including Boston Properties, Parkway Properties, Highwoods Properties, Great Lakes Real Estate, and Crescent Real Estate. The company plans to have property rights to 8,000 buildings by year's end.

To support this growth, WinStar set a company record by obtaining access rights to more than 700 commercial office buildings in the second quarter of 1999, bringing its total to over 5,500.

WinStar's 1999 losses were reflective of the company's dynamic growth. The company reported a total net loss of \$340 million on operating costs of \$410 million. WinStar's EBITDA loss for the first half of the year was \$163 million. To promote its continued momentum, in May, WinStar entered into a five-year marketing alliance with Lucent Technologies that the company expects will increase its business by \$100 million. The company supplemented June and July with the sale of \$300 million of Series F convertible stock, and a \$35 million accounts receivable financing, the first of its kind for a fixed wireless provider. The end of June purchase, by the Bank of New York, of \$350 million in WinStar debt, created additional capital for the company and, through the Lucent deal, managed to secure up to \$2 billion in additional equipment financing.

WinStar heads into the fall on the path of domestic and global expansion. On August 17, the company was granted 18 additional, 38-GHz licenses, by the FCC. The licenses came at no cost to WinStar and cover portions of, or areas adjacent to, the top 60 markets in which the company is network building. The new licenses cover over seven million new channel POPs, increasing WinStar's total coverage to 1.2 billion POPs, representing approximately 80-percent of the business market.

The company will continue to consolidate its ownership of international spectrum, as well, and will pursue its goal of being active in 50 overseas markets by 2004.