



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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DA 98-2266
November 6, 1998

LOCAL MULTIPOINT DISTRIBUTION SERVICE SPECTRUM RE-AUCTION OF 168 LICENSES SCHEDULED FOR APRIL 27, 1999; APPLICATION FILING DEADLINE SET FOR MARCH 29, 1999

COMMENT SOUGHT ON RESERVE PRICES OR MINIMUM OPENING BIDS AND OTHER AUCTION PROCEDURES

Report No. AUC-99-23-A (Auction No. 23)

By this Public Notice, the Wireless Telecommunications Bureau ("Bureau") announces the reauction of 168 Local Multipoint Distribution Service ("LMDS") licenses set to begin on April 27, 1999.¹ These licenses either received no bids in the original LMDS auction that closed on

¹ For the rules associated with the LMDS, *see* Rulemaking to Amend Parts 1, 2, 21, and 25 of the Commission's Rules to Redesignate the 27.5-29.5 GHz Frequency Band, to Reallocate the 29.5-30.0 GHz Frequency Band, to Establish Rules and Policies for Local Multipoint Distribution Service and for Fixed Satellite Services, Petitions for Reconsideration of the Denial of Applications for Waiver of the Commission's Common Carrier Point-to-Point Microwave Radio Service Rules, Suite 12 Group Petitions for Pioneer Preference, *Second Report and Order, Order on Reconsideration, and Fifth Notice of Proposed Rulemaking*, 12 FCC Rcd 12545 (1997) ("*LMDS Second Report and Order*"); Rulemaking to Amend Parts 1, 2, 21, and 25 of the Commission's Rules to Redesignate the 27.5-29.5 GHz Frequency Band, to Reallocate the 29.5-30.0 GHz Frequency Band, to Establish Rules and Policies for Local Multipoint Distribution Service and for Fixed Satellite Services, Petitions for Reconsideration of the Commission's Competitive Bidding Rules, *Second Order on Reconsideration*, 12 FCC Rcd 15082 (1997).

March 25, 1998 or are defaulted licenses which are available for reauction.² Two blocks of spectrum are allocated for LMDS systems:

———(1)	Block A (1,150 MHz)	27,500 - 28,350 MHz and 29,100 - 29,250 MHz ³ and 31,075 -31,225 MHz———
———(2)	Block B (150 MHz)	31,000 - 31,075 MHz and 31,225 - 31,300 MHz

One license will be awarded for each of these spectrum blocks in each of 122 Block A Basic Trading Areas (BTAs) and 46 Block B BTAs designated for LMDS.⁴ These licenses are listed in the Attachment to this Public Notice. The BTA licenses designated for the LMDS reauction comprise various portions of the following areas: (1) continental United States and (2) Puerto Rico. Thus, there are a total of 168 LMDS licenses to be reaucted.⁵ Future public notices, will include further details regarding application filing and payment deadlines, a seminar, and other pertinent information. These future public notices will take the place of a bidder package for the LMDS reauction. In this Public Notice, we seek comment on procedural issues relating to the LMDS reauction.

Key dates:

- Short Form Application (FCC Form 175) March 29, 1999; 5:30 p.m. ET
 - Upfront Payments (via wire transfer) April 12, 1998; 6:00 p.m. ET
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² See LMDS Auction Closes: Winning Bidders in the Auction of 986 Local Multipoint Distribution Service (LMDS) Licenses, *Public Notice*, DA 98-572 (March 26, 1998). The three licensees in default include Baker Creek Communications, L.P., New Wave Networks, L.L.C., and Pinpoint Communications, Inc.

³ Operations to take place in the 29,100 - 29,250 MHz band are governed by 47 C.F.R. §§ 101.103(g) and (h), 101.113(c), 101.133(d), and 101.147(t), which are the provisions designed to facilitate the sharing of this spectrum by LMDS, GSO/FSS gateways, and MSS feeder link licensees. These provisions allow only hub-to-subscribers transmissions by LMDS licensees in this band.

⁴ Rand McNally is the copyright owner of the Major Trading Area (MTA) and Basic Trading Area (BTA) Listings, which list the BTAs contained in each MTA and the counties within each BTA, as embodied in Rand McNally's Trading Area System MTA/BTA Diskette, and geographically represented in the map contained in Rand McNally's Commercial Atlas & Marketing Guide. The conditional use of Rand McNally copyrighted material by interested persons is authorized under a blanket license agreement dated February 10, 1994, and covers use by LMDS applicants. This agreement requires authorized users of the material to include a legend on reproductions (as specified in the license agreement) indicating Rand McNally ownership.

⁵ Interested applicants are advised that licenses B038-B, B144-B, B254-B, B371-B, B372-B, and B392-B are the subject of a pending waiver request filed by New Wave Networks, L.L.C. (*See* New Wave Networks, L.L.C, Request for Waiver of Rule Sections 101.1105(b) and 1.2109(a)-(c), filed August 13, 1998; Supplement filed September 2, 1998; Second Supplement filed September 9, 1998.) Licenses B185-B, B270-A, and B270-B are the subject of a pending Petition for Reconsideration filed by Pinpoint Communications, Inc. (*See* Pinpoint Communications, Application for Local Multipoint Distribution Service Licenses to Serve BTA 185, Hastings, Nebraska and BTA 270, McCook, Nebraska, Petition for Reconsideration, filed October 23, 1998.) *See also* Attachment.

I. Reserve Price or Minimum Opening Bid

The Balanced Budget Act of 1997 calls upon the Commission to prescribe methods by which a reasonable reserve price will be required or a minimum opening bid established when FCC licenses are subject to auction (*i.e.*, because the Commission has accepted mutually exclusive applications for those licenses), unless the Commission determines that a reserve price or minimum bid is not in the public interest.⁶ Consistent with this mandate, the Commission has directed the Bureau to seek comment on the use of a minimum opening bid and/or reserve price prior to the start of each auction.⁷ The Bureau was directed to seek comment on the methodology to be employed in establishing each of these mechanisms. Among other factors the Bureau should consider are the amount of spectrum being auctioned, levels of incumbency, the availability of technology to provide service, the size of the geographic service areas, issues of interference with other spectrum bands, and any other relevant factors that reasonably could have an impact on valuation of the spectrum being auctioned. The Commission concluded that the Bureau should have the discretion to employ either or both of these mechanisms for future auctions.⁸

Normally, a reserve price is an absolute minimum price below which an item will not be sold in a given auction. Reserve prices can be either published or unpublished. A minimum opening bid, on the other hand, is the minimum bid price set at the beginning of the auction below which *no bids* are accepted. It is generally used to accelerate the competitive bidding process. Also, in a minimum opening bid scenario, the auctioneer generally has the discretion to lower the amount later in the auction. It is also possible for the minimum opening bid and the reserve price to be the same amount.

In anticipation of this reauction and in light of the Balanced Budget Act, the Bureau proposes to establish minimum opening bids for the LMDS reauction, and retain discretion to lower the minimum opening bids. The Bureau believes a minimum opening bid, which has been utilized in

⁶ Section 3002(a), Balanced Budget Act of 1997, Pub. L. 105-33, 111 Stat. 251 (1997) ("Budget Act"); 47 U.S.C. § 309(j)(4)(F). The Commission's authority to establish a reserve price or minimum opening bid is set forth in 47 C.F.R. § 1.2104(c) and (d).

⁷ See Amendment of Part 1 of the Commission's Rules -- Competitive Bidding Procedures, Allocation of Spectrum Below 5 GHz Transferred from Federal Government Use, 4660-4685 MHz, WT Docket No. 97-82, ET Docket No. 94-32, FCC 97-413, *Third Report and Order and Second Further Notice of Proposed Rule Making*, 13 FCC Rcd 374, 454-455, ¶ 141 (1998) ("*Part 1 Third Report and Order*").

⁸ *Id.*

other auctions,⁹ is an effective bidding tool. A minimum opening bid, rather than a reserve price, will help to regulate the pace of the auction and provides flexibility.

Specifically, for Auction No. 23, the Commission proposes the following license-by-license formulas for calculating minimum opening bids, based on the population ("pops") of the BTA:

(1) Block A \$0.06 * Pops (rounded up to the next dollar)

(2) Block B \$0.03 * Pops (rounded up to the next dollar)

Comment is sought on this proposal. If commenters believe that the formula proposed above for minimum opening bids will result in substantial numbers of unsold licenses, or is not a reasonable amount, or should instead operate as a reserve price, they should explain why this is so, and comment on the desirability of an alternative approach. Commenters are advised to support their claims with valuation analyses and suggested reserve prices or minimum opening bid levels or formulas. In establishing the formula for minimum opening bids, we particularly seek comment on such factors as, among other things, the amount of spectrum being auctioned, levels of incumbency, the availability of technology to provide service, the size of the geographic service areas, issues of interference with other spectrum bands and any other relevant factors that could reasonably have an impact on valuation of the LMDS spectrum. Alternatively, comment is sought on whether, consistent with the Balanced Budget Act, the public interest would be served by having no minimum opening bid or reserve price.

II. Other Auction Procedures

The Balanced Budget Act of 1997 requires the Commission to "ensure that, in the scheduling of any competitive bidding under this subsection, an adequate period is allowed. . . before issuance of bidding rules, to permit notice and comment on proposed auction procedures. . ." ¹⁰ Consistent with the provisions of the Balanced Budget Act and to ensure that potential bidders have adequate time to familiarize themselves with the specific provisions that will govern the day-to-day conduct of an auction, the Commission directed the Bureau, under its existing delegated

⁹ See, e.g., Auction of 800 MHz SMR Upper 10 MHz Band, Minimum Opening Bids or Reserve Prices, DA 97-2147, *Order*, 12 FCC Rcd 16354 (1997); Auction of the Phase II 220 MHz Service Licenses, Auction Notice and Filing Requirements for 908 Licenses Consisting of Economic Area (EA), Economic Area Grouping (EAG), and Nationwide Licenses, Scheduled for September 15, 1998, Minimum Opening Bids and Other Procedural Issues, *Public Notice*, DA 98-1010 (rel. May 29, 1998).

¹⁰ Budget Act, § 3002(a)(E)(i).

authority,¹¹ to seek comment on a variety of auction-specific procedures prior to the start of each auction.¹² We therefore seek comment on the following issues.

a. Auction Sequence and License Groupings

Because it is most administratively appropriate, and allows bidders to take advantage of any synergies that exist among licenses, we propose to award the 168 LMDS licenses in a single, simultaneous multiple-round auction.¹³ We seek comment on this proposal.

b. Upfront Payments and Initial Maximum Eligibility for Each Bidder

The Bureau has delegated authority and discretion to determine an appropriate upfront payment for each license being auctioned, taking into account such factors as the population in each geographic license area, and the value of similar spectrum.¹⁴ With these guidelines in mind, we propose for the LMDS reauction the following upfront payments:

- (1) Block A \$0.06 * Pops (rounded up to the next dollar)
- (2) Block B \$0.03 * Pops (rounded up to the next dollar)

We seek comment on this proposal. For the LMDS reauction, we further propose that the amount of the upfront payment submitted by a bidder will determine the initial maximum eligibility (as measured in bidding units) for each bidder. Upfront payments will not be attributed to specific licenses, but instead will be translated into bidding units to define a bidder's initial maximum eligibility, which cannot be increased during the auction. Thus, in calculating the upfront payment amount, an applicant must determine the maximum number of bidding units it may wish to bid on

¹¹ See Amendment of Part 1 of the Commission's Rules—Competitive Bidding Proceeding, WT Docket No. 97-82, FCC 97-60, *Order, Memorandum Opinion and Order, and Notice of Proposed Rule Making*, 12 FCC Rcd 5686, 5677, ¶ 16 (1997) ("*Part 1 Order, Memorandum Opinion and Order, and Notice of Proposed Rule Making*") ("We also clarify that pursuant to Section 0.131 of our rules, the Chief, Wireless Telecommunications Bureau, has delegated authority to implement all of the Commission's rules pertaining to auctions procedures.")

¹² *Part 1 Third Report and Order*, 13 FCC Rcd at 448, ¶ 124. The Commission directed the Bureau to seek comment on specific mechanisms related to day-to-day auction conduct including, for example, the structure of bidding rounds and stages, establishment of minimum opening bids or reserve prices, minimum accepted bids, initial maximum eligibility for each bidder, activity requirements for each stage of the auction, activity rule waivers, criteria for determining reductions in eligibility, information regarding bid withdrawal and bid removal, stopping rules, and information relating to auction delay, suspension or cancellation. *Id.* ¶ 125.

¹³ See *LMDS Second Report and Order* at ¶ 309.

¹⁴ See *Part 1 Order, Memorandum Opinion and Order, and Notice of Proposed Rule Making*, 12 FCC Rcd at 5697-98, ¶ 16 (1997).

(or hold high bids on) in any single round, and submit an upfront payment covering that number of bidding units. We seek comment on this proposal.

c. Structure of Bidding Rounds, Activity Requirements, and Criteria for Determining Reductions in Eligibility

We propose to divide the auction into three stages: Stage One, Stage Two and Stage Three. The auction will start in Stage One. We propose that the auction will generally advance to the next stage (*i.e.*, from Stage One to Stage Two, and from Stage Two to Stage Three) when the auction activity level, as measured by the percentage of bidding units receiving new high bids, is below ten percent for three consecutive rounds of bidding in each Stage. However, we further propose that the Bureau retain the discretion to change stages unilaterally by announcement during the auction. In exercising this discretion, the Bureau will consider a variety of measures of bidder activity including, but not limited to, the auction activity level, the percentages of licenses (as measured in bidding units) on which there are new bids, the number of new bids, and the percentage increase in revenue. We seek comment on these proposals.

In order to ensure that the auction closes within a reasonable period of time, an activity rule requires bidders to bid actively on a percentage of their maximum bidding eligibility during each round of the auction rather than waiting until the end to participate. A bidder that does not satisfy the activity rule will either lose bidding eligibility in the next round or use an activity rule waiver.

For the LMDS reauction, we propose that, in each round of Stage One of the auction, a bidder desiring to maintain its current eligibility is required to be active on licenses encompassing at least 80 percent of its current bidding eligibility. Failure to maintain the requisite activity level will result in a reduction in the bidder's bidding eligibility in the next round of bidding (unless an activity rule waiver is used). During Stage One, reduced eligibility for the next round will be calculated by multiplying the current round activity by five-fourths ($5/4$). In each round of the second stage of the auction, a bidder desiring to maintain its current eligibility is required to be active on at least 90 percent of its current bidding eligibility. During Stage Two, reduced eligibility for the next round will be calculated by multiplying the current round activity by ten-ninths ($10/9$). In each round of Stage Three, a bidder desiring to maintain its current eligibility is required to be active on 98 percent of its current bidding eligibility. In this final stage, reduced eligibility for the next round will be calculated by multiplying the current round activity by fifty forty-ninths ($50/49$). We seek comment on these proposals.

d. Minimum Accepted Bids

Once there is a standing high bid on a license, a bid increment will be applied to that license to establish a minimum acceptable bid for the following round. For the LMDS reauction, we propose to use a smoothing methodology to calculate bid increments. This methodology will be designed to vary the increment for a given license between a maximum and minimum value based on the bidding activity on that license. A similar methodology was used in previous auctions,

including the original LMDS auction¹⁵ and the 220 MHz auction.¹⁶ The Bureau proposes initial values for the maximum of 0.2 or 20% of the license value, and a minimum of 0.1 or 10% of the license value.

The Bureau retains the discretion to change these values if circumstances so dictate, such as raising the minimum increment toward the end of the auction to enable bids to reach their final values more quickly. The Bureau will do so by announcement in the Automated Auction System. Under its discretion the Bureau may also implement an absolute dollar floor for the bid increment to further facilitate a timely close of the auction. The Bureau further seeks comment on the advantages and disadvantages of using the discretion to adjust the minimum bid increment without prior notice. As an alternative approach, the Bureau seeks comment on the advantages and disadvantages of adjusting the minimum bid increment gradually over a number of rounds as opposed to single large changes in the minimum bid increment. The Bureau also retains the discretion to use alternate methodologies for the LMDS reaction if circumstances warrant. We seek comment on these proposals.

e. Activity Rule Waivers and Reducing Eligibility

Use of an activity rule waiver preserves the bidder's current bidding eligibility despite the bidder's activity in the current round being below the required minimum level. An activity rule waiver applies to an entire round of bidding and not to a particular license. Activity waivers are principally a mechanism for auction participants to avoid the loss of auction eligibility in the event that exigent circumstances prevent them from placing a bid in a particular round.

The FCC auction system assumes that bidders with insufficient activity would prefer to use an activity rule waiver (if available) rather than lose bidding eligibility. Therefore, the system will automatically apply a waiver (known as an "automatic waiver") at the end of any bidding period where a bidder's activity level is below the minimum required unless: (1) there are no activity rule waivers available; or (2) the bidder overrides the automatic application of a waiver by reducing eligibility, thereby meeting the minimum requirements.

A bidder with insufficient activity that wants to reduce its bidding eligibility, rather than use an activity rule waiver, must affirmatively override the automatic waiver mechanism during the bidding period by using the reduce eligibility function in the software. In this case, the bidder's eligibility is permanently reduced to bring the bidder into compliance with the activity rules as described above. Once eligibility has been reduced, a bidder will not be permitted to regain its lost bidding eligibility.

A bidder may proactively use an activity rule waiver as a means to keep the auction open without

¹⁵ See "Auction of Local Multipoint Distribution Licenses," *Public Notice*, DA 98-230 (rel. Feb. 6, 1998).

¹⁶ See "Auction of the Phase II 220 MHz Service Licenses," *Public Notice*, DA 98-1010 (rel. May 29, 1998).

placing a bid. If a bidder submits a proactive waiver (using the proactive waiver function in the bidding software) during a bidding period in which no bids are submitted, the auction will remain open and the bidder's eligibility will be preserved. An automatic waiver invoked in a round in which there are no new valid bids will not keep the auction open.

We propose that each bidder in the LMDS reauction be provided with five activity rule waivers that may be used in any round during the course of the auction as set forth above. We seek comment on this proposal.

f. Information Regarding Bid Withdrawal and Bid Removal

For the LMDS reauction, we propose the following bid removal and bid withdrawal procedures. Before the close of a bidding period, a bidder has the option of removing any bids placed in that round. By using the remove bid function in the software, a bidder may effectively "unsubmit" any bid placed within that round. A bidder removing a bid placed in the same round is not subject to withdrawal payments.

Once a round closes, a bidder may no longer remove a bid. However, in the next round, a bidder may withdraw standing high bids from previous rounds using the withdraw bid function. A high bidder that withdraws its standing high bid from a previous round is subject to the bid withdrawal payment provisions.¹⁷ We seek comment on these bid removal and bid withdrawal procedures.

In the *Part 1 Third Report and Order*, the Commission recently explained that allowing bid withdrawals facilitates efficient aggregation of licenses and the pursuit of efficient backup strategies as information becomes available during the course of an auction. The Commission noted, however, that, in some instances, bidders may seek to withdraw bids for improper reasons, including to delay the close of the auction for strategic purposes. The Bureau, therefore, has discretion, in managing the auction, to limit the number of withdrawals to prevent strategic delay of the close of the auction or other abuses. The Commission stated that the Bureau should assertively exercise its discretion, consider limiting the number of rounds in which bidders may withdraw bids, and prevent bidders from bidding on a particular market if the Bureau finds that a bidder is abusing the Commission's bid withdrawal procedures.¹⁸

Applying this reasoning, we propose to limit each bidder in the LMDS reauction to withdrawals in no more than two rounds during the course of the auction. To permit a bidder to withdraw bids in more than two rounds would likely encourage insincere bidding or the use of withdrawals for anti-competitive strategic purposes. The two rounds in which withdrawals are utilized will be at the bidder's discretion; withdrawals otherwise must be in accordance with the Commission's rules. There is no limit on the number of standing high bids that may be withdrawn in either of the

¹⁷ See 47 C.F.R. §§ 1.2104(g); 1.2109.

¹⁸ *Part 1 Third Report and Order*, 13 FCC Rcd at 460, ¶ 150.

rounds in which withdrawals are utilized. Withdrawals will remain subject to the bid withdrawal payment provisions specified in the Commission's rules. We seek comment on this proposal.

g. Stopping Rule

For the LMDS reauction, the Bureau proposes to employ a simultaneous stopping approach. The Bureau has discretion "to establish stopping rules before or during multiple round auctions in order to terminate the auction within a reasonable time."¹⁹ A simultaneous stopping rule means that all licenses remain open until the first round in which no new acceptable bids, proactive waivers or withdrawals are received. After the first such round, bidding closes simultaneously on all licenses. Thus, unless circumstances dictate otherwise, bidding would remain open on all licenses until bidding stops on every license.

The Bureau seeks comment on a modified version of the simultaneous stopping rule. The modified stopping rule would close the auction for all licenses after the first round in which no bidder submits a proactive waiver, a withdrawal, or a new bid on any license on which it is not the standing high bidder. Thus, absent any other bidding activity, a bidder placing a new bid on a license for which it is the standing high bidder would not keep the auction open under this modified stopping rule. The Bureau further seeks comment on whether this modified stopping rule should be used unilaterally or only in stage three of the auction.

We propose that the Bureau retain the discretion to keep an auction open even if no new acceptable bids or proactive waivers are submitted and no previous high bids are withdrawn. In this event, the effect will be the same as if a bidder had submitted a proactive waiver. The activity rule, therefore, will apply as usual and a bidder with insufficient activity will either lose bidding eligibility or use a remaining activity rule waiver.

Finally, we propose that the Bureau reserve the right to declare that the auction will end after a specified number of additional rounds ("special stopping rule"). If the Bureau invokes this special stopping rule, it will accept bids in the final round(s) only for licenses on which the high bid increased in at least one of the preceding specified number of rounds. The Bureau proposes to exercise this option only in certain circumstances, such as, for example, where the auction is proceeding very slowly, there is minimal overall bidding activity, or it appears likely that the auction will not close within a reasonable period of time. Before exercising this option, the Bureau is likely to attempt to increase the pace of the auction by, for example, moving the auction into the next stage (where bidders would be required to maintain a higher level of bidding activity), increasing the number of bidding rounds per day, and/or increasing the amount of the minimum bid increments for the limited number of licenses where there is still a high level of bidding activity. We seek comment on these proposals.

h. Information Relating to Auction Delay, Suspension or Cancellation

¹⁹ 47 C.F.R. § 1.2104(e).

For the LMDS reauction, we propose that, by public notice or by announcement during the auction, the Bureau may delay, suspend or cancel the auction in the event of natural disaster, technical obstacle, evidence of an auction security breach, unlawful bidding activity, administrative or weather necessity, or for any other reason that affects the fair and competitive conduct of competitive bidding.²⁰ In such cases, the Bureau, in its sole discretion, may elect to: resume the auction starting from the beginning of the current round; resume the auction starting from some previous round; or cancel the auction in its entirety. Network interruption may cause the Bureau to delay or suspend the auction. We emphasize that exercise of this authority is solely within the discretion of the Bureau, and its use is not intended to be a substitute for situations in which bidders may wish to apply their activity rule waivers. We seek comment on this proposal.

III. Conclusion

Comments are due on or before November 30, 1998, and reply comments are due on or before December 7, 1998. To file formally, parties must submit an original and four copies to the Office of the Secretary, Federal Communications Commission, Federal Communications Commission, 445 Twelfth Street, S.W., TW-A325, Washington, D.C. 20554. In addition, parties must submit one copy to Amy Zoslov, Chief, Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, Federal Communications Commission, Room 5202, 2025 M Street N.W., Washington, D.C. 20554. Comments and reply comments will be available for public inspection during regular business hours in the FCC Public Reference Room, Room 239, 1919 M Street N.W., Washington, D.C. 20554.

For further information concerning this proceeding, contact Christina Clearwater, Arthur Lechtman, or Tim Salmon, Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, at (202) 418-0660, or Kathy Garland at (717) 338-2801.

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²⁰ See 47 C.F.R. § 1.2104(i).

**LMDS Reaction
Proposed MOB's and Upfront Payments**

A Block Licenses

MTA	BTA	Description	License Number	Population (1990 Census)	Upfront Payment (\$06*Pops)	MOB (\$06*Pops)
M024	B002	Aberdeen, WA	LDB002A	83,057	\$4,984	\$4,984
M011	B006	Albany-Tifton, GA	LDB006A	324,899	\$19,494	\$19,494
M006	B016	Anderson, SC	LDB016A	305,120	\$18,308	\$18,308
M029	B017	Anniston, AL	LDB017A	161,897	\$9,714	\$9,714
M006	B020	Asheville-Hendersonville, NC	LDB020A	510,055	\$30,604	\$30,604
M018	B035	Beckley, WV	LDB035A	167,112	\$10,027	\$10,027
M024	B036	Bellingham, WA	LDB036A	127,780	\$7,667	\$7,667
M018	B048	Bluefield, WV	LDB048A	184,020	\$11,042	\$11,042
M028	B049	Blytheville, AR	LDB049A	79,446	\$4,767	\$4,767
M026	B052	Bowling Green-Glasgow, KY	LDB052A	222,748	\$13,365	\$13,365
M012	B054	Brainerd, MN	LDB054A	78,465	\$4,708	\$4,708
M032	B061	Burlington, IA	LDB061A	137,543	\$8,253	\$8,253
M006	B062	Burlington, NC	LDB062A	108,213	\$6,493	\$6,493
M001	B063	Burlington, VT	LDB063A	369,128	\$22,148	\$22,148
M019	B066	Cape Girardeau-Sikeston, MO	LDB066A	181,795	\$10,908	\$10,908
M003	B071	Champaign-Urbana, IL	LDB071A	222,312	\$13,339	\$13,339
M021	B082	Clarksburg-Elkins, WV	LDB082A	190,498	\$11,430	\$11,430
M032	B086	Clinton, IA-Sterling, IL	LDB086A	147,981	\$8,879	\$8,879
M019	B090	Columbia, MO	LDB090A	190,536	\$11,433	\$11,433
M011	B092	Columbus, GA	LDB092A	342,333	\$20,540	\$20,540
M031	B093	Columbus, IN	LDB093A	139,128	\$8,348	\$8,348
M010	B100	Cumberland, MD	LDB100A	156,707	\$9,403	\$9,403
M003	B103	Danville, IL	LDB103A	114,241	\$6,855	\$6,855
M032	B105	Davenport, IA-Moline, IL	LDB105A	419,650	\$25,179	\$25,179
M029	B115	Dothan-Enterprise, AL	LDB115A	210,225	\$12,614	\$12,614
M021	B117	Du Bois-Clearfield, PA	LDB117A	124,180	\$7,451	\$7,451
M032	B118	Dubuque, IA	LDB118A	176,542	\$10,593	\$10,593
M012	B119	Duluth, MN	LDB119A	400,771	\$24,047	\$24,047
M028	B120	Dyersburg-Union City, TN	LDB120A	113,943	\$6,837	\$6,837
M033	B121	Eagle Pass-Del Rio, TX	LDB121A	100,813	\$6,049	\$6,049
M016	B122	East Liverpool-Salem, OH	LDB122A	108,276	\$6,497	\$6,497
M012	B123	Eau Claire, WI	LDB123A	180,559	\$10,834	\$10,834
M002	B124	El Centro-Calexico, CA	LDB124A	109,303	\$6,559	\$6,559
M016	B131	Erie, PA	LDB131A	275,572	\$16,535	\$16,535
M004	B134	Eureka, CA	LDB134A	142,578	\$8,555	\$8,555
M040	B140	Fayetteville-Springdale-Rogers, AR	LDB140A	222,526	\$13,352	\$13,352
M006	B141	Fayetteville-Lumberton, NC	LDB141A	571,328	\$34,280	\$34,280
M029	B146	Florence, AL	LDB146A	173,076	\$10,385	\$10,385
M006	B147	Florence, SC	LDB147A	239,208	\$14,353	\$14,353
M040	B153	Ft. Smith, AR	LDB153A	282,187	\$16,932	\$16,932
M010	B156	Fredericksburg, VA	LDB156A	124,654	\$7,480	\$7,480
M029	B158	Gadsden, AL	LDB158A	174,034	\$10,443	\$10,443

* Subject to a pending waiver request filed by New Wave Networks, L.L.C.

** Subject to a pending petition for reconsideration filed by Pinpoint Communications, Inc.

***Baker Creek defaulted on this license.

M011	B160	Gainesville, GA	LDB160A***	170,365	\$10,222	\$10,222
M003	B161	Galesburg, IL	LDB161A***	75,574	\$4,535	\$4,535
M039	B162	Gallup, NM	LDB162A	122,277	\$7,337	\$7,337
M001	B164	Glens Falls, NY	LDB164A	118,539	\$7,113	\$7,113
M006	B165	Goldsboro-Kinston, NC	LDB165A	217,319	\$13,040	\$13,040
M006	B176	Greenville-Washington, NC	LDB176A	218,937	\$13,137	\$13,137
M006	B178	Greenwood, SC	LDB178A***	68,435	\$4,107	\$4,107
M040	B182	Harrison, AR	LDB182A	74,459	\$4,468	\$4,468
M040	B193	Hot Springs, AR	LDB193A	117,439	\$7,047	\$7,047
M017	B195	Houma-Thibodaux, LA	LDB195A	263,681	\$15,821	\$15,821
M008	B201	Hyannis, MA	LDB201A	204,256	\$12,256	\$12,256
M021	B203	Indiana, PA	LDB203A	89,994	\$5,400	\$5,400
M028	B211	Jackson, TN	LDB211A	255,379	\$15,323	\$15,323
M003	B213	Jacksonville, IL	LDB213A***	70,795	\$4,248	\$4,248
M006	B214	Jacksonville, NC	LDB214A	149,838	\$8,991	\$8,991
M035	B215	Jamestown-Dunkirk, NY-Warren, PA	LDB215A	186,945	\$11,217	\$11,217
M020	B216	Janesville-Beloit, WI	LDB216A	214,510	\$12,871	\$12,871
M019	B217	Jefferson City, MO	LDB217A	141,404	\$8,485	\$8,485
M021	B218	Johnstown, PA	LDB218A	241,247	\$14,475	\$14,475
M040	B219	Jonesboro-Paragould, AR	LDB219A	159,439	\$9,567	\$9,567
M003	B225	Kankakee, IL	LDB225A	127,042	\$7,623	\$7,623
M008	B227	Keene, NH	LDB227A	111,709	\$6,703	\$6,703
M031	B233	Kokomo-Logansport, IN	LDB233A	184,899	\$11,094	\$11,094
M020	B234	La Crosse, WI-Winona, MN	LDB234A	295,769	\$17,747	\$17,747
M031	B235	Lafayette, IN	LDB235A***	247,523	\$14,852	\$14,852
M003	B243	La Salle-Peru-Ottawa-Streator, IL	LDB243A	148,331	\$8,900	\$8,900
M008	B249	Lebanon-Clairemont, NH	LDB249A	167,576	\$10,055	\$10,055
M045	B270	McCook, NE	LDB270A**	36,618	\$2,198	\$2,198
M011	B271	Macon-Warner Robins, GA	LDB271A	589,208	\$35,353	\$35,353
M032	B285	Mason City, IA	LDB285A	118,834	\$7,131	\$7,131
M016	B287	Meadville, PA	LDB287A	86,169	\$5,171	\$5,171
M004	B291	Merced, CA	LDB291A	192,705	\$11,563	\$11,563
M003	B294	Michigan City-La Porte, IN	LDB294A	107,066	\$6,424	\$6,424
M044	B295	Middlesboro-Harlan, KY	LDB295A	121,217	\$7,274	\$7,274
M031	B309	Muncie, IN	LDB309A	182,386	\$10,944	\$10,944
M006	B316	New Bern, NC	LDB316A	154,955	\$9,298	\$9,298
M021	B317	New Castle, PA	LDB317A	96,246	\$5,775	\$5,775
M001	B319	New London-Norwich, CT	LDB319A	357,482	\$21,449	\$21,449
M045	B323	Norfolk, NE	LDB323A	112,526	\$6,752	\$6,752
M013	B326	Ocala, FL	LDB326A	194,833	\$11,690	\$11,690
M021	B328	Oil City-Franklin, PA	LDB328A	105,882	\$6,353	\$6,353
M035	B330	Olean, NY-Bradford, PA	LDB330A	239,343	\$14,361	\$14,361
M024	B331	Olympia-Centralia, WA	LDB331A	258,937	\$15,537	\$15,537
M006	B335	Orangeburg, SC	LDB335A	114,458	\$6,868	\$6,868
M032	B337	Ottumwa, IA	LDB337A	122,988	\$7,380	\$7,380
M026	B339	Paducah-Murray-Mayfield, KY	LDB339A	217,082	\$13,025	\$13,025
M003	B344	Peoria, IL	LDB344A	455,643	\$27,339	\$27,339
M040	B348	Pine Bluff, AR	LDB348A	152,918	\$9,176	\$9,176
M008	B351	Pittsfield, MA	LDB351A	139,352	\$8,362	\$8,362
M001	B352	Plattsburgh, NY	LDB352A	123,121	\$7,388	\$7,388
M019	B355	Poplar Bluff, MO	LDB355A	148,240	\$8,895	\$8,895
M019	B367	Quincy, IL-Hannibal, MO	LDB367A	177,213	\$10,633	\$10,633

* Subject to a pending waiver request filed by New Wave Networks, L.L.C.

** Subject to a pending petition for reconsideration filed by Pinpoint Communications, Inc.

***Baker Creek defaulted on this license.

M031	B373	Richmond, IN	LDB373A***	104,942	\$6,297	\$6,297
M022	B375	Riverton, WY	LDB375A	46,859	\$2,812	\$2,812
M006	B377	Roanoke Rapids, NC	LDB377A	76,314	\$4,579	\$4,579
M003	B380	Rockford, IL	LDB380A	412,120	\$24,728	\$24,728
M006	B382	Rocky Mount-Wilson, NC	LDB382A	199,296	\$11,958	\$11,958
M019	B383	Rolla, MO	LDB383A	98,233	\$5,894	\$5,894
M011	B384	Rome, GA	LDB384A***	115,066	\$6,904	\$6,904
M040	B387	Russellville, AR	LDB387A	81,863	\$4,912	\$4,912
M001	B388	Rutland-Bennington, VT	LDB388A	97,987	\$5,880	\$5,880
M005	B390	Saginaw-Bay City, MI	LDB390A	615,364	\$36,922	\$36,922
M046	B396	Salina, KS	LDB396A	143,408	\$8,605	\$8,605
M034	B414	Sedalia, MO	LDB414A	79,705	\$4,783	\$4,783
M016	B416	Sharon, PA	LDB416A	121,003	\$7,261	\$7,261
M003	B426	Springfield, IL	LDB426A	254,696	\$15,282	\$15,282
M023	B430	Staunton-Waynesboro, VA	LDB430A	100,322	\$6,020	\$6,020
M031	B442	Terre Haute, IN	LDB442A	236,968	\$14,219	\$14,219
M005	B446	Traverse City, MI	LDB446A	204,600	\$12,276	\$12,276
M028	B449	Tupelo-Corinth, MS	LDB449A	291,701	\$17,503	\$17,503
M001	B453	Utica-Rome, NY	LDB453A	316,633	\$18,998	\$18,998
M037	B454	Valdosta, GA	LDB454A	139,226	\$8,354	\$8,354
M014	B456	Victoria, TX	LDB456A	149,963	\$8,998	\$8,998
M001	B463	Watertown, NY	LDB463A	296,253	\$17,776	\$17,776
M019	B470	West Plains, MO	LDB470A	67,165	\$4,030	\$4,030
M018	B474	Williamson, WV-Pikeville, KY	LDB474A	185,682	\$11,141	\$11,141
M006	B478	Wilmington, NC	LDB478A	249,711	\$14,983	\$14,983
M027	B486	Yuma, AZ	LDB486A	106,895	\$6,414	\$6,414
M025	B488	San Juan, PR	LDB488A	2,170,246	\$130,215	\$130,215
M025	B489	Mayaguez-Aguadilla-Ponce, PR	LDB489A	1,351,600	\$81,096	\$81,096
A Block Totals				26,057,363	\$1,563,497	\$1,563,497

B Block Licenses

MTA	BTA	Description	License Number	Population (1990)	Upfront Payment (\$03*Pops)	MOB (\$03*Pops)
M005	B005	Adrian, MI	LDB005B***	91,476	\$2,745	\$2,745
M005	B011	Alpena, MI	LDB011B***	63,429	\$1,903	\$1,903
M005	B033	Battle Creek, MI	LDB033B***	227,541	\$6,827	\$6,827
M030	B038	Bend, OR	LDB038B*	102,745	\$3,083	\$3,083
M003	B039	Benton Harbor, MI	LDB039B***	161,378	\$4,842	\$4,842
M003	B046	Bloomington, IL	LDB046B***	215,795	\$6,474	\$6,474
M019	B066	Cape Girardeau-Sikeston, MO	LDB066B***	181,795	\$5,454	\$5,454
M019	B067	Carbondale-Marion, IL	LDB067B***	209,497	\$6,285	\$6,285
M032	B070	Cedar Rapids, IA	LDB070B***	260,686	\$7,821	\$7,821
M032	B086	Clinton, IA-Sterling, IL	LDB086B***	147,981	\$4,440	\$4,440
M019	B090	Columbia, MO	LDB090B***	190,536	\$5,717	\$5,717
M030	B097	Coos Bay-North Bend, OR	LDB097B	79,600	\$2,388	\$2,388
M003	B109	Decatur-Effingham, IL	LDB109B***	247,608	\$7,429	\$7,429
M004	B134	Eureka, CA	LDB134B	142,578	\$4,278	\$4,278
M012	B142	Fergus Falls, MN	LDB142B***	120,167	\$3,606	\$3,606

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***Baker Creek defaulted on this license.

M027	B144	Flagstaff, AZ	LDB144B*	96,591	\$2,898	\$2,898
M005	B145	Flint, MI	LDB145B***	500,229	\$15,007	\$15,007
M039	B162	Gallup, NM	LDB162B	122,277	\$3,669	\$3,669
M046	B163	Garden City, KS	LDB163B	65,059	\$1,952	\$1,952
M005	B169	Grand Rapids, MI	LDB169B***	916,060	\$27,482	\$27,482
M045	B185	Hastings, NE	LDB185B**	72,833	\$2,185	\$2,185
M005	B209	Jackson, MI	LDB209B***	193,187	\$5,796	\$5,796
M019	B217	Jefferson City, MO	LDB217B***	141,404	\$4,243	\$4,243
M005	B223	Kalamazoo, MI	LDB223B***	352,384	\$10,572	\$10,572
M005	B241	Lansing, MI	LDB241B***	489,698	\$14,691	\$14,691
M039	B244	Las Cruces, NM	LDB244B	197,166	\$5,915	\$5,915
M047	B254	Lihue, HI	LDB254B*	51,177	\$1,536	\$1,536
M045	B270	McCook, NE	LDB270B**	36,618	\$1,099	\$1,099
M012	B277	Mankato-Fairmont, MN	LDB277B***	245,144	\$7,355	\$7,355
M004	B303	Modesto, CA	LDB303B	418,978	\$12,570	\$12,570
M005	B307	Mt. Pleasant, MI	LDB307B***	118,558	\$3,557	\$3,557
M019	B308	Mt. Vernon-Centralia, IL	LDB308B***	119,286	\$3,579	\$3,579
M005	B310	Muskegon, MI	LDB310B***	206,974	\$6,210	\$6,210
M003	B344	Peoria, IL	LDB344B***	455,643	\$13,670	\$13,670
M019	B355	Poplar Bluff, MO	LDB355B***	148,240	\$4,448	\$4,448
M024	B356	Port Angeles, WA	LDB356B	76,610	\$2,299	\$2,299
M008	B363	Presque Isle, ME	LDB363B	86,936	\$2,609	\$2,609
M004	B371	Redding, CA	LDB371B*	253,255	\$7,598	\$7,598
M004	B372	Reno, NV	LDB372B*	439,279	\$13,179	\$13,179
M012	B378	Rochester-Austin-Albert Lea, MN	LDB378B***	233,167	\$6,996	\$6,996
M019	B383	Rolla, MO	LDB383B***	98,233	\$2,947	\$2,947
M036	B392	St. George, UT	LDB392B*	83,263	\$2,498	\$2,498
M034	B414	Sedalia, MO	LDB414B***	79,705	\$2,392	\$2,392
M003	B426	Springfield, IL	LDB426B***	254,696	\$7,641	\$7,641
M032	B462	Waterloo-Cedar Falls, IA	LDB462B***	261,009	\$7,831	\$7,831
M019	B470	West Plains, MO	LDB470B***	67,165	\$2,015	\$2,015

B Block Totals 9,323,636 \$279,731 \$279,731

Totals 35,380,999 \$1,843,228 \$1,843,228

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***Baker Creek defaulted on this license.