

ATHEROS COMMUNICATIONS INC  
 Form 4  
 September 18, 2006

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**BAHR RICHARD G**

2. Issuer Name and Ticker or Trading Symbol  
**ATHEROS COMMUNICATIONS INC [ATHR]**

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 Vice President Engineering

(Last) (First) (Middle)  
**C/O ATHEROS COMMUNICATIONS, INC., 5480 GREAT AMERICA PARKWAY**  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
**09/15/2006**

**SANTA CLARA,, CA 95054**  
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)			
			Code	V	Amount	(A) or (D)	Price			
Common Stock	09/15/2006		M		51,860	A	\$ 1.72	118,057 <sup>(1)</sup>	I	See Footnote <sup>(2)</sup>
Common Stock	09/15/2006		M		1,627	A	\$ 1.72	119,684	I	See Footnote <sup>(2)</sup>
Common Stock	09/15/2006		M		16,513	A	\$ 9.34	136,197	I	See Footnote <sup>(2)</sup>

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Common Stock	09/15/2006	<u>S</u> (3)	100	D	\$ 17.72	136,097	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	900	D	\$ 17.71	135,197	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	1,100	D	\$ 17.7	134,097	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	1,000	D	\$ 17.69	133,097	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	4,600	D	\$ 17.65	128,497	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	600	D	\$ 17.64	127,897	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	2,000	D	\$ 17.61	125,897	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	3,300	D	\$ 17.6	122,597	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	1,000	D	\$ 17.59	121,597	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	100	D	\$ 17.58	121,497	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	1,400	D	\$ 17.57	120,097	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	2,371	D	\$ 17.55	117,726	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	1,600	D	\$ 17.54	116,126	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	1,200	D	\$ 17.53	114,926	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	100	D	\$ 17.52	114,826	I	See Footnote

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Common Stock	09/15/2006	<u>S</u> (3)	2,400	D	\$ 17.51	112,426	I	(2) See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	3,022	D	\$ 17.5	109,404	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	7,600	D	\$ 17.49	101,804	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	2,225	D	\$ 17.48	99,579	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	3,575	D	\$ 17.47	96,004	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	4,000	D	\$ 17.45	92,004	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	2,900	D	\$ 17.44	89,104	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	1,000	D	\$ 17.43	88,104	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	1,300	D	\$ 17.41	86,804	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	4,307	D	\$ 17.4	82,497	I	See Footnote (2)
Common Stock	09/15/2006	<u>S</u> (3)	2,500	D	\$ 17.39	79,997	I	See Footnote (2)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Options (right to buy)	\$ 1.72	09/15/2006		M	51,860	03/13/2002 <sup>(4)</sup>	03/13/2012	Common Stock	51,860
Employee Stock Options (right to buy)	\$ 1.72	09/15/2006		M	1,627	03/12/2003 <sup>(5)</sup>	03/12/2013	Common Stock	1,627
Employee Stock Options (right to buy)	\$ 9.34	09/15/2006		M	16,513	01/14/2004 <sup>(6)</sup>	01/14/2014	Common Stock	16,513

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BAHR RICHARD G C/O ATHEROS COMMUNICATIONS, INC. 5480 GREAT AMERICA PARKWAY SANTA CLARA,, CA 95054			Vice President Engineering	

## Signatures

Bruce P. Johnson, 09/18/2006  
Attorney-in-fact

\*\*Signature of Reporting Person Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Includes 1,875 shares acquired in May 2006 pursuant to the 2004 Employee Stock Purchase Plan.
- (2) By the Bahr Family Trust

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- (3) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
- All of the options became exercisable on 3/13/2002. The shares underlying the options are subject to the issuer's right of repurchase that
- (4) lapsed as to 25% of the shares on 2/28/2003, and lapsed as to the remaining shares in 36 equal monthly installments beginning on 3/28/2003.
- (5) All of the options became exercisable on 3/12/2003. The shares underlying the options are subject to the issuer's right of repurchase that lapses in 48 equal monthly installments beginning on 3/28/2003.
- All of the options became exercisable on 1/14/2004. The shares underlying the options are subject to the issuer's right of repurchase that
- (6) lapsed as to 25% of the shares on 1/14/2005, and lapses as to the remaining shares in 48 equal monthly installments beginning on 2/14/2005.

### Remarks:

Remarks: Form 4 Filing 1 of 2 (continuation report): Related transactions effected by the Reporting Person on September 15,

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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