

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