FRANKLIN PAUL G

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if no longer

Form 4

January 25, 2006

FORM 4

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

OMB Number:

OMB APPROVAL

Expires:

3235-0287 January 31,

2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16.

Estimated average burden hours per 0.5

Form 4 or Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

response...

See Instruction

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

(Time of Type I	esponses)						
1. Name and Address of Reporting Person * FRANKLIN PAUL G			2. Issuer Name and Ticker or Trading Symbol ATHEROS COMMUNICATIONS INC [ATHR]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% OwnerX_ Officer (give title Other (specify			
C/O ATHER	ROS		01/24/2006	below) below) Vice President Operations			
COMMUNI	CATIONS,	INC., 5480		vice i resident Operations			
CDEATAN	IEDICA DA	DIZWAV					

GREAT AMERICA PARKWAY

4. If Amendment, Date Original (Street)

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year) Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

SANTA CLARA,, CA 95054

(City)	(State) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owner								
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securitin(A) or Dis (Instr. 3, 4)	posed	of (D)	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 Beneficial Ownership (Instr. 4)
Common Stock	01/24/2006		M	20,000	A		24,073	D	
Common Stock	01/24/2006		S <u>(1)</u>	1,200	D	\$ 14.9	22,873	D	
Common Stock	01/24/2006		S <u>(1)</u>	400	D	\$ 14.91	22,473	D	
Common Stock	01/24/2006		S <u>(1)</u>	100	D	\$ 14.92	22,373	D	
	01/24/2006		S(1)	4,700	D		17,673	D	

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Common Stock					\$ 14.95		
Common Stock	01/24/2006	S(1)	200	D	\$ 14.96	17,473	D
Common Stock	01/24/2006	S <u>(1)</u>	500	D	\$ 14.97	16,973	D
Common Stock	01/24/2006	S <u>(1)</u>	300	D	\$ 14.98	16,673	D
Common Stock	01/24/2006	S <u>(1)</u>	1,700	D	\$ 14.99	14,973	D
Common Stock	01/24/2006	S(1)	3,400	D	\$ 15	11,573	D
Common Stock	01/24/2006	S(1)	2,000	D	\$ 15.01	9,573	D
Common Stock	01/24/2006	S <u>(1)</u>	1,000	D	\$ 15.05	8,573	D
Common Stock	01/24/2006	S(1)	2,500	D	\$ 15.1	6,073	D
Common Stock	01/24/2006	S(1)	2,000	D	\$ 15.15	4,073	D

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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(9-02)

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

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. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Derivative Expiration Date Gecurities (Month/Day/Year) Acquired (A) or Disposed of D) Instr. 3, 4,		7. Title and Amount Underlying Securition (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Employee Stock Options (right to buy)	\$ 6.34	01/24/2006		M	20,000	11/25/2003(2)	11/25/2013	Common Stock	20,0

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Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

FRANKLIN PAUL G C/O ATHEROS COMMUNICATIONS, INC. 5480 GREAT AMERICA PARKWAY SANTA CLARA,, CA 95054

Vice President Operations

Signatures

Bruce P. Johnson, Attorney-in-fact 01/25/2006

**Signature of Reporting Person Da

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) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
- All of the options became exercisable on 11/25/2003. The shares underlying the options are subject to the issuer's right of repurchase that
- (2) lapsed as to 25% of the shares on 11/24/2004, and lapses as to the remaining shares in 36 equal monthly installments beginning on 12/24/2004.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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