Naskar Ben D Form 4 January 25, 2010

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

OMB 3235-0287

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

Number: January 31, Expires:

2005

0.5

OMB APPROVAL

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may continue.

See Instruction

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Naskar Ben D	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) C/O ATHEROS COMMUNICATIONS, INC., 5480 GREAT AMERICA PARKWAY	3. Date of Earliest Transaction (Month/Day/Year) 01/22/2010	Director 10% OwnerX Officer (give title Other (specify below) Vice President & GM			
(Street)	4. If Amendment, Date Original	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

D

104,064

SANTA CLARA,, CA 95054

Common

01/22/2010

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired (A) 5. Amount of 7. Nature of Transactionr Disposed of (D) Indirect Security (Month/Day/Year) Execution Date, if Securities Ownership (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned Direct (D) Ownership Following or Indirect (Instr. 4) Reported (A) Transaction(s) (Instr. 4) (Instr. 3 and 4) Code V Amount (D) Price Common 01/22/2010 7,986 \$ 27.37 69,550 D M Α Stock \$ Common $S^{(1)}$ 01/22/2010 34.0403 D 7,000 D 62,550 Stock (2) \$ Common 01/22/2010 $S^{(1)}$ 3,486 D 34.6512 59,064 D Stock (3)

45,000

Α

Α

\$0

Stock (4)

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

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SEC 1474 (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. Transacti 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 Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Options (right to buy)	\$ 27.37	01/22/2010		M	7,986	<u>(5)</u>	02/12/2015	Common Stock	7,986

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Naskar Ben D C/O ATHEROS COMMUNICATIONS, INC. 5480 GREAT AMERICA PARKWAY SANTA CLARA,, CA 95054

Vice President & GM

Signatures

Bruce P. Johnson, Attorney-in-fact 01/25/2010

**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) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.

Reporting Owners 2

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- Represents the weighted average sales price for a number of sale transactions effected at prices ranging from \$33.60 to \$34.45. The
- (2) Reporting Person has provided to the issuer, and undertakes to provide upon request by the SEC staff, or any security holder of the issuer, information regarding the number of shares sold at each separate price within the range.
- Represents the weighted average sales price for a number of sale transactions effected at prices ranging from \$34.60 to \$34.70. The
- (3) Reporting Person has provided to the issuer, and undertakes to provide upon request by the SEC staff, or any security holder of the issuer, information regarding the number of shares sold at each separate price within the range.
 - On February 6, 2009, the Reporting Person was granted restricted stock units ("RSUs") that would vest subject to the Issuer's satisfaction of certain performance criteria for the fiscal year ended December 31, 2009. The performance criteria for 2009 were met and certified by
- (4) the Compensation Committee of the Issuer's Board of Directors on January 22, 2010, resulting in vesting of the RSUs as follows: The RSUs will vest and be settled in shares of the Issuer's common stock over three (3) years, with the first 1/3 of the RSUs vesting on February 8, 2010 and the remaining RSUs vesting in equal quarterly installments over the following two (2) years.
- (5) The options become exercisable in 48 equal monthly installments commencing on March 13, 2008.

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.