XTERA COMMUNICATIONS, INC.

Form 4

December 17, 2015

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average

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obligations

if no longer

Check this box

may continue. See Instruction

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 * Martin Kevin J

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

XTERA COMMUNICATIONS.

(Check all applicable)

INC. [XCOM]

(Last) (First) 3. Date of Earliest Transaction

X_ Director 10% Owner Officer (give title Other (specify below)

(Month/Day/Year)

500 W. BETHANY DR., STE. 100

(Middle)

12/15/2015

6. Individual or Joint/Group Filing(Check

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

Applicable Line)

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

Person

ALLEN, TX 75013

(City) (State) (Zip)

(Street)

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

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if any

(Month/Day/Year)

3. Transaction(A) or Disposed of Code (D) (Instr. 8) (Instr. 3, 4 and 5)

4. Securities Acquired 5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect Beneficial (D) or Indirect (I) Ownership (Instr. 4) (Instr. 4)

(A) or

Reported Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

Common Stock

12/15/2015

A 15,000 Α

\$0 15,000

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.

SEC 1474 (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. Transact Code (Instr. 8)	5. ionNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		erivative curities equired (D) astr. 3,		piration Date		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	7 (A	A) (I	D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Options (right to buy)	\$ 1.56							<u>(1)</u>	04/20/2020	Common Stock	9,616	
Stock Options (right to buy)	\$ 0.52							<u>(1)</u>	02/02/2022	Common Stock	17,308	

Reporting Owners

Reporting Owner Name / Address	Relationships							
1	Director	10% Owner	Officer	Other				
Martin Kevin J 500 W. BETHANY DR., STE. 100 ALLEN, TX 75013	X							

Signatures

/s/ Paul J. Colan for Kevin J. Martin

**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) This option is fully vested.

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.

Reporting Owners 2