

MARTIRE LEONARD
 Form 4
 September 14, 2010

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 *
 MARTIRE LEONARD

2. Issuer Name and Ticker or Trading Symbol
 FREQUENCY ELECTRONICS INC
 [FEIM]

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

(Last) (First) (Middle)

FREQUENCY ELECTRONICS,
 INC., 55 CHARLES LINDBERGH
 BLVD

3. Date of Earliest Transaction
 (Month/Day/Year)
 09/14/2010

MITCHEL FIELD, NY 11553

(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 Ownership (Instr. 4)
				(A) or (D)	Price		
				Code	V	Amount	

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)
Stock Appreciation Rights ⁽³⁾	\$ 5.65 ⁽²⁾	09/14/2010		A	6,000	09/14/2011 ⁽¹⁾ 09/13/2020	Common Stock 6,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MARTIRE LEONARD FREQUENCY ELECTRONICS, INC. 55 CHARLES LINDBERGH BLVD MITCHEL FIELD, NY 11553			Vice President	

Signatures

/s/Alan Miller by power of attorney 09/14/2010

**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) Stock Appreciation Rights are exercisable on a cumulative basis as to one-quarter of the total number of shares covered by the grant on each of the first, second, third and fourth anniversary dates of the date of Stock Appreciation Rights grant.
- (2) Stock Appreciation Rights are granted at the market value of the Company's Common Stock on the date of grant.
- (3) Upon exercise of a Stock Appreciation Right, the grantee will be awarded shares of Common Stock, the value of which is equal to the increase in value of the Common Stock between the grant date and the date of exercise. (Stock-settled SAR).

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.