Tang Michael Form 4 November 15, 2018

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if no longer

Section 16.

Form 4 or

Form 5

subject to

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

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

(Ctata)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Tang Michael Issuer Symbol AGILENT TECHNOLOGIES INC (Check all applicable) [A] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner _X__ Officer (give title . _ Other (specify (Month/Day/Year) below) 5301 STEVENS CREEK BLVD 11/13/2018 SVP, General Counsel, and Sec. (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 SANTA CLARA, CA 95051 Person

| (City) | (State) (| Zip) Table | e I - Non-D | erivative S | Securi | ties Acqu | ired, Disposed of | , or Beneficiall | y Owned |
|--------------------------------------|---|---|--|---|------------------|-------------|--|---|---|
| 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. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following | 6. Ownership Form: Direct (D) or Indirect (I) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | Code V | Amount | (A) or (D) | Price | Reported Transaction(s) (Instr. 3 and 4) | (Instr. 4) | |
| Common Stock | 11/13/2018 | | A | 9,175 (1) | A | \$ 64.34 | 42,294.907 (2) | D | |
| Common Stock | 11/13/2018 | | A | 17,421 (3) | A | \$ 64.34 | 59,715.907 | D | |
| Common Stock | 11/13/2018 | | F | 412 (4) | D | \$ 64.34 | 59,303.907 | D | |
| Common Stock | 11/14/2018 | | F | 641 (5) | D | \$ 63.47 | 58,662.907 | D | |

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 | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title | e and | 8. Price of | 9. Nu |
|---|-------------|-------------|---------------------|--------------------|------------------------|------------|---------------------|-----------------|----------|----------|-------------|--------|
|] | Derivative | Conversion | (Month/Day/Year) | Execution Date, if | TransactionNumber | | Expiration D | ate | Amou | nt of | Derivative | Deriv |
| , | Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Under | lying | Security | Secui |
| (| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securi | ties | (Instr. 5) | Bene |
| | | Derivative | | | Securities Acquired | | | | (Instr. | 3 and 4) | | Owne |
| | | Security | | | | | | | | | | Follo |
| | | • | | | | (A) or | | | | | | Repo |
| | | | | | | Disposed | | | | | | Trans |
| | | | | | | of (D) | | | | | | (Instr |
| | | | | | | (Instr. 3, | | | | | | |
| | | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | | A mannt | | |
| | | | | | | | | | | Amount | | |
| | | | | | | | Date Exercisable | Expiration Date | Title Nu | | | |
| | | | | | | | | | | Number | | |
| | | | | | G 1 W | (A) (D) | | | | of | | |
| | | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

Tang Michael 5301 STEVENS CREEK BLVD SANTA CLARA, CA 95051

SVP, General Counsel, and Sec.

Signatures

/s/ P. Diana Chiu, attorny-in-fact for Mr. 11/13/2018 Tang

> **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).
- Restricted Stock Units granted under the Agilent Technologies, Inc. 2018 Stock Plan, in compliance with Rule 16b-3. The restricted stock units vest in four equal annual installments beginning on November 13, 2019 and are subject to a 1 year post-vest holding period.
- (2) Includes 3.5910 shares acquired in the Agilent Technologies, Inc. dividend reinvestment plan.
- On November 13, 2018, 17,421 shares of common stock of Agilent Technologies, Inc. were issued to the reporting person pursuant to the (3) Agilent Technologies, Inc. Long-Term Performance Program. The shares are subject to a 1 year post-vest holding period. 8,710 shares were deferred pursuant to the Agilent Technologies, Inc. Deferred Compensation Plan.
- The reporting person surrendered 412 shares to Agilent Technologies, Inc. to satisfy the tax liability on the vesting of restricted stock units in accordance with Rule 16b-3.

(5)

Reporting Owners 2

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The reporting person surrendered 641 shares to Agilent Technologies, Inc. to satisfy the tax liability on the vesting of restricted stock units in accordance with Rule 16b-3.

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.